he Mining Journal RAILWAY

forming a complete record of the proceedings of all public companies.

No. 616 .-- Vol. XVII.

LONDON, SATURDAY, JUNE 12, 1847.

PRICE 6D.

Besore, St. Michael Fenkivel, Wheal Henry, West Wheal Virgin, Callestock, Great Callestick Moors, Budnick Consols, Wheal Fundance Goonvrea, West Towan, Wheal Prussla, West Tolgus & Trelowith,

Andock

Henugga,
auctioneer, in inviting the attention of the public to the above shares, would be, that several of the before-mentioned mines are situated configuous to some steprofitable mines in the county—thus giving to capitalists desirous of speculation or the particulars may be known on application to the auctioneer, No. 3, St. Nicholas Truro; or to Mr. H. S. Stokes, solicitor, Truro. Trerew, Trendale, Wheal Mary,

IN CORNWALL,

IE TRENGWAINTON and NANSEGLOS ESTATES, with the MANSION, OFFICES,
GROUNDS, and PLANTATIONS, together with the BOSWEDNAN, PULTEGGAN,
HENDRA, and BOSWARTHEN ESTATES, which form a compact property, altogether

100 acres, within two miles of the town of PENZANCE.

HENDRA, and BOSWARTHEN ESTATES, which form a compact property, altogether 900 acres, within two miles of the town of PENZANCE.

MESSRS. BROOKS & GREEN are instructed by the proprietor To SELL, BY AUCTION, on Wednesday, June the 36th, 1847, at Garraway's Coffee-house, Change-alisy, Cornibilit, at One c'olock precisely, unless in the meantime disposed of by private contract, the above exceedingly valuable

FREEHOLD LESTATES.

The peculiar features of this fine property will be well apprecised by the capitalist who requires residence or investment. It comprises, in the whole, about 900 acres of most british and, together with an elegant manadon, embosomed in a plantation of varied timber of upwards of 30 years' growth—commanding most interesting and picturesque sea and land views, including St. Michael's Mount, Mounts Bay, the Lizard, and the Ocean. The kitches gardens are most judiciously planned, after Raginy, and are the best in the cousty, with extensive ranges of hot and succession houses. This property is happily situate in one of the most healthy spots in the kingdom; the air s dry and pure, and the water of the finest quality. To the East Indian or valetudinarian, this place, it is presumed, which be invaluable—the climate is very similar to the South of France. The farma-houses, cottages, agricultural buildings, and fences, are in excellent repair; there are manorial rights and privileges, and the district is rich in minerals; grantle is an export of some consequence at Penzance; immense blocks can be worked on this estate; and, from its being an inclined plane to the port, very easily shipped. The estates are well stocked with game, and the flating is excellent.

Penzance is within two miles, and, owing to its rapidly increasing population, if renders portions of this estate most valuable as building; and flow, River, Falmouth, and Plymouth; it he Half Moon, Exetor, the Union in, Turo, St. Ivas, Falmouth, and Plymouth; it he Half Moon, Exetor, the Union in, Turo, St. Ivas, Falmouth, and Plymouth; it he H

the manaion and estate may be seen.

TO COLLIERY OWNERS, BAILWAY PROPRIETORS, DOCK COMPANIES, ENGINEERS, CONTRACTORS, AND OTHERS.

the COLLIERY, BISHOP MIDDLEHAM, MEAR THE FERRY-HILL RAILWAY STATION, in the county of DURHAM.

MESSRS. HARDCASTLE & ALLASON, of Sunderland, have been honoured with a commission to OFFER FOR SALE, BY PUBLIC UCTION, without reserve, on Wednesday, July the Sist, 1847, and the following days, THE WHOLE OF THE WHOLE OF THE VICTORY OF THE PRESSURE OF THE WHOLE OF THE PLANT, ORKING STOCK AND MATERIALS, comprising a first-rate HIGH-PRESSURE WINDIGHT, at 130-horse power, and having five boilers, 25 feet by 6, and four sets of pumps attached, spital HIGH-PRESSURE WINDING-ENGINE (by Fossick and Hackworth), of 5 feet by 6, and rope-rollers, 25, attached, all complete.

in, heapstead, and 4 sercous, 70 fathoms of main bratitice, with conductors, cages, flatroppe, &c., attached, all complete.

in, heapstead, and 4 screens; 70 fathoms of main braitice, with conductors, cagos, macropes, &c.

ow RUT COAL APPARATUS, spear and spear-plates, shear-legs, and pulley-frames.

&k main-crab, tail-crab, shaft-crab, and several crab-ropes.

BIDGE RAILS, many tons of metal tubbing, pumps, and pipes, of various sizes,
namway plates, 2750 yards of RAILWAY, 35 lbs. to the yard, with chairs, grassings, and
sleepers, complete.

number of well-built COAL WAGGONS, waggon-wheels, tube of various sizes,
unching-machine, hand isthe, winch, smith's bellows, anvils, vices, and tools,
arpentor' benches, &c.; patterns, frames, shovels, pit-ropes, deals, battens, new and
old iron, and a large quantity of other

MISCELLANEOUS COLLIERY STOCK.

All very nearly new, and of the best quality.—Catalogues will be issued in the course,
Sunderland Sale Office, 16, Bridge-street, June 10, 1647.

ALE OF most IMPORTANT and HIGHLY VALUABLE

ALE OF most IMPORTANT and HIGHLY VALUABLE PREBRED PROPERTY, consisting of all those extensive and newly-erected test, the GREENFIELD ZINC-WORKS, pring an arise of upwards of sur statute screet, together with all the RAILWAYS, &27°, and LANDS adjoining and surrounding the same, comprehending, in the a meanty THIRTY STATUTE AGRES OF LAND, through the centre of which the of the Great Chester and Helyhead Railway passes, besides having a spacious quay, harf, and a considerable frontage to the River Doe—thus possessing within itself the scourt advantages of water and railway communication; and immediately after the s, a SALE will be held of the whole of the MACHINERY and UTENSILS belonging a premises, and others, removed from the Mostyn and Abbey Colleries, comprising—beautiful finished 300-horse power bright STEAM-ENGINE, which has scarcely been used

aller BLACK ENGINES (one fixed on the premises, with force pumps, s, and lathe attached, and the other just removed from the Abbey Collier uantity of cast-from PUMPS, from 2½ to 15 inches bore, with clack-door,

Nendors are willing to TREAT for the SALE of the WORKS, BY PRIVATE TRACE.—Chester, June 1, 1847.

TALE COLLIERIES, near BISHOP AUCKLAND, in the country of DURHAM—TO BE SOLD BY PRIVATE CONTRACT, the ITEM TERM, held by the present lesses, in the GORDON and EVENWOOD LIERIES. The above colleries are now in work, and are so stuated as to command antiderable export, as well as land sale, trade. These advantages will be materially used by the formation of the Auckland Branch of the York and Newcastle Realizary the new railways leading to the south and west—for all of which acts are cleaned the first, great facilities will be obtained for shipments on the Type and Wear. Or further particulars apply to Mr. Brogden, Stockton-on-Tees.

PEREMPTORY SALE OF COLLIERY EFFECTS, at FLINT, by Mr. JAMES WILLIAMS, on Tuesday, the 15th, and Wednesday, the 16th inst., commoneing each day at Twelve welcek precisely, on the premises, at the FLINT MASH COLLIERIES, situate close to the borough town of Flint (with a shipping stage thereunto belonging), unless previously disposed of by private contract, of which due notice will be given, the whole of the valuable

löth inst., commeneng each day at Twelve s'clock precisely, on the premises, at the FLINT MARSH COLLEBRES, situate close to the borough town of Fint (with a shipping stage thereunto belonging), unless previously disposed of by private contract, of which due notice will be given, the whole of the valuable

PUMPING AND WINDING ENGINES,

WEIGHING MACHINES, BORING AND BLASTING TOOLS, RAILWAY AND TRAM WAGGONS and BASKETS, TURNING LATHE, FLAT and ROUND CHAINS and ROPES, CAST and WROUGHT-IRON RAILS, SCRAP, CAST, WROUGHT and USEABLE IRON, JOINERS' and SMITHS' TOOLS, OFFICE FURNITURE, CARTS, CEARS, and OTHER EFFECTS, belonging to the concern—comprising

One excellent 19-ineh cylinder CONDENSING PUMPING and WINDING-ENGINE,

4 feet stroke of piston, complete, with tubular and balloon boilers.

Lift of 8-inch PUMPS, winding apparatus, &c.; one ditto winding-engine, 29-inch cylinder, 3-feet 6-inch stroke, complete, with tubular boiler, nearly new, fly-wheel, winding drum, and about 120 yards of new flat chain, &c.; one di-inch winding-engine, 29-inch cylinder, 3-feet 6-inch stroke, ocmplete, with tubular boiler, nearly new, fly-wheel, winding drum, and about 120 yards of new flat chain, &c.; one di-inch winding-engine, 29-inch cylinder, 3-feet 6-inch stroke of piston, new, and nearly complete; part of a double-power condensing steam-engine, 29-linch cylinder, 4-feet stroke, consisting of sirpump and condenser, nearly of the hand goar, valves, and sears; the cylinder, air-pump pucket, and a large quantity of the hand goar, valves, and sears; the cylinder, air-pump pucket, and a large quantity of the hand goar, valves, and sears; the cylinder, air-pump pucket, and a large quantity of the hand goar, valves, and sears; the cylinder, air-pump pucket, and condenser, nearles, valves, &c., of a 2-inch condensing steam-engine; capstan, shears, and whim; flat and rounk points and rope; two capital weighting mechines, up to 8 tons each; powerful from which (litto iold and new borss; a large quantity of weight; a trapping plates; tyery

STEAM-ENGINES AND OTHER MINE MATERIALS
FOR SALE.—TO BE SOLD, BY PRIVATE CONTRACT, at TRETOIL MINE,
near BODMIN, Cornwall, the undermentioned

60-men tymner complete Complete Complete Other botter, shout 12 tons 91-inch cylinder STEAM PUMPING-ENGINE, without boller 17-inch pumps, 9 feet long 17-inch pumps poles, to go 7 feet stroke 18-inch cases for ditto

18-inch cases for ditto
Stuffing-boxes for ditto
Windbores, ditto
Windbores, ditto
Windbores, ditto
Picco and doors
2 Door-pieces, ditto
12-inch pumps, 3 feet long
11-inch door-piece
11-inch pumps, 3 feet long
11-inch pumps, 5 feet long
11-inch pumps, 5 feet long
11-inch pumps, 5 feet long
11-inch case, with staffing-box attached, complete
13-inch case, with staffing-box attached, complete
13-inch case, with staffing-box attached, complete
13-inch case, with staffing-box decomplete
13-inch case, with staffing-box decomplete
13-inch case, with staffing-box, complete
13-inch case, with staffing-box, complete
13-inch case and staffing-box, complete
13-inch case and staffing-box, complete
13-inch ditto ditto
13-inch case and staffing-box, complete
13-inch ditto ditto
13-inch case and staffing-box, complete
13-inch case and staffing-box, complete
13-inch pumps-pole, 5 feet long, stocked
13-inch ditto ditto
13-inch case and staffing-box, complete
13-inch pumps-pole, 5 feet long, stocked
13-inch pumps-pole, 5 feet long, stocked
13-inch case, with staffing-box, complete
13-inch pumps-pole, 5 feet long, stocked
13-inch pumps-pole, 5 feet long, stocked
13-inch case, with staffing-box, complete
13-inch case, with st

moding-down boits, &c.

Other smaller balance-bobs
A large capstan, with oak axle
A shears, 66-feet high
Another smaller abears

Fathoms 13-inch capstan rope, nearly new
Fathoms 13-inch capstan rope, nearly new
Whims
Whim ropes
Strapping plates of nammered iron, for main-rods

diffe doubled rolled, for ditto
Main rods, stapies and glands, rod bolts
Strapping plates
Fist-rod pulleys
Railroad iron, tram waggoms, sir pipes, ladders
Much useful mine timber, old pumps, and various other things
The pitwork, and much of the other materials are nearly new, and in good condition.
Apply to Mr. Henry Thomas, 8, George-yard, Lombard-street, London; Mr. George lessch, Bodmin; or to Capt. Heary Williams, at the mine.

STEAM-ENGINES FOR SALE—TWO CONDENSING ENGINES (match), by Marray and Fenton, Leeds—cylinders 33-inch diameter, stroke, 6 feet, with three boliers and connections thereto; also TWO FORCE PUMPS, 18-inch diameter, with a 5-feet stroke each; and ONE FORCE PUMP, 14-inch diameter, with a 5-feet stroke; the whole in capital working order, and admirably suited for mining or mill-work.—Apply to the Engineer of the Phonix Gas Company, western of the Bridge-road, at Vauxball.

O BE SOLD .- ONE HIGH-PRESSURE STEAM-ENGINE, of 40-horse power, calculated at 30 lbs. pressure to the inch. This is quite new, and very strongly built, having been intended for driving heavy nery, and is not now required.—For particulars apply to Mr. Matthew Smith, Notton-lane, Sheffield.

PO BE SOLD, BY PRIVATE CONTRACT, at GODOLPHIN MINES, ONE 36-Inch PUMPING-ENGINE, 6 feet stroke, equal beam,
oller, 8 tons, balance-bob, and first piece of red.
ONE 24-Inch STAMPING-ENGINE, 8 feet stroke, boiler, 11 tons.
ONE 34-Inch WHIM-ENGINE, 6 feet stroke, boiler, 4 tons, and cage.
ONE 18-Inch WHIM-ENGINE, 6 feet stroke, boiler, 7 tons, and cage.
Application to be made to Capt. R. Williams, on the mines.
Dated Godolphin Mines, Helston, Cornwall, May 27, 1847.

TO BE SOLD, BY PRIVATE CONTRACT, the CAST-IRON AKLE of a LARGE WATER-WHEEL, good as new, with TWO CRANKS, BRASSES, &c.—The axle has sockets for 14 arms on each side, and is adapted for having mult on it a wheel of 40 to 50 feet diameter, and 5 feet breast, and is capable of any excusion of the width of the breast, by the addition of a centre-piece. The whole weight casting is about 14 tons. The axle Hes on the Wheal Betsy Mine, near Tavistock, bevoo, and about 9 miles from the navigable River Tamar.
For viewing the same, and further particulars, apply to Mr. Anthony Rowse, Maryavy, near Tavistock,—Tavistock, June 10, 1847.

TRONSTONE AND COAL.—TO BE LET, ON LEASE, the WORKING of the IRONSTONE and COAL on the BRENCKBURN ESTATE, in MORTHUMBERLAND. There is an abundance of LIMESTONE, FREESTONE, and CLAY.—For particulars apply to Measure. Drone and Sons, solicitors, 10, Billiter-square London, where samples and analyses may be seen.

NORTH WALES—CAPITAL OPPORTUNITY FOR

OST OR STOLEN—FIVE SHARES (Nos. 3131-3135) in the WHEAL CURTIS COPPER MINING COMPANY—Notice of which has been given to the company, and the proper means taken to prevent them from being dealt with except by the owner.—Communications may be addressed to "B. D.," at the company's office, Gresham Rooms, Basinghall-street.

ST. JOHN DEL REY MINING COMPANY.—TO BE SOLD, FORTY SHARES in the ABOVE COMPANY, at £7 per share.

M. B.," at the office of the Mining Journal, 26, Fleet-street, London.

SINKERS WANTED, at the SNIBSTON COLLIERIES, near Ashby-de-la-Zouch, to sink TWO SHAFTS, each to the depth of 400 yards, Applications to be made to Mr. Vaughan, at Snibston.

WILSON & FRASER, 2, WELLINGTON-BUILDINGS
LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALIO
PIG-IRON, BAR-IRON, RAILWAY CHAIRS, and RAILWAY BARS.

JONATHAN DAVEY, MINE AGENT, SURVEYOR, AND SHAREBROKER,

MATTHE W-STREET, TAVISTOCK.

Mines surveyed, inspected, and reported on, at the shortest notice; plans, dialling performed, by day or contract.

WILLIAM H. SMITH, MINING SHARE AGENT 10, WARNFORD-COURT, THROGMORTON-STREET, LONDON.

MINING OFFICES, 1, ST. MICHAEUS-ALLEY, CORNHILL, LONDON.

WATSON AND CUELL, MINE AGENTS.—

N.B.—STATISTICAL INFORMATION furnished (on application) to SHAREHOLDERS in MINES in Cornwall, Devon, Scotland, Ireland, Wales, and Spain.

THOMAS P. THOMAS, MINE AGENT, AND DEALER
IN RAILWAY AND OTHER SHARES.
18, THREADNEOLE STREET, LONDON.
BUYER in Wheal Trelawny and Wheal Mary Ann, at fair market prices.

MR. R. TREDINNICK, MINING AGENT AND DEALER
IN EVERY DESCRIPTION OF SHARES.
THREE KINGS COURT, LOMBARD-STREET, LONDON. 23

MESSRS. WINSTANLY AND CO., SHAREBROKERS, Inform their friends and the public, they BUY and SELL every description of RAILWAY SHARES on the most advantageous terms; they also make advances upon the deposit of acrip and shares for periods as may be agreed.

6, Bank Chambers, City.

JAMES LANE, MINING SHARE DEALER 75, OLD BROAD-STREET, LONDON.

MINING ADVENTURERS' SUBSCRIPTION ROOM, ORIGINAL REGISTRY OFFICE FOR THE SALE AND PURCHASE OF MINING SHARES.

CROSSMAN, SOMMERS, AND CO., AGENTS, 58, THREADNERDLE-STREET LONDON.

FS, THREADNEEDLE-STREET LONDON.

Great Wheal Freserick Tin Mine
Devon and Courtenay Consols
North Eastern Mining Co. of Ireland
South Wheal Maries
Wheal Suan — Holmbush
Wheal Rose Consols
Grambler and Tork
Grambler and T

26

NGLO-MEXICAN MINING ASSOCIATION, 5, Broad a street-buildings.—The ANNUAL GENERAL MEETING of the pithe Association for Assisting in Working the Mines of Mexico, and other par America, will be HELD at the company's office, 8, Broad-street-buildings, on the 7th day of July next, at One o'clock precisely.

A. GODFREY.

MPERIAL BRAZILIAN MINING ASSOCIATION MPERIAL BRAZILIAN MINING ASSOCIATION, Winchester House, 53, Old Broad-street, London, June 7, 1847.—The director of this celation have, under the powers vested in them by the dead, made a CALL of £3 on the 7 the shares of this association, and the proprietors are requested to PAY the same their respective shares, on or before the 8th day of July next, to the London Joint & Bank, Princes-street, the bankers of the association. Not ransfer can be made until ment of the call.

ALBERT ADVENTURE A LBERT ADVENTURE—NOW IN WORK, ON THE COST-BOOK PRINCIPLE.

In 1000 shares.—Deposit as, per share.

NO FURTHER APPLICATIONS for SHARES will be RECEIVED after WEDNESDAY, the 30th inst.

Applications for shares are to be made to Mr. James Lane, sharebroker, 75, Old Br street, London: the Purser, Mr. F. Harvey, Hayle, Cornwall; or the London Secret Mr. W. Witcomb, Johnson's Chambers, 167, Fleet-street, London, of whom the prosp Mr. W. Witcomb, Johnson's Chambers, 167, Fleet-street, London, of whom the prospectus can also be had at the office of the Mining Jam 26, Fleet-street, London.

CRAIG DDU SLATE COMPANY, MERIONETHSHIRE.

—The DEED OF SETTLEMENT of this company having been approved by the Registrar of Joint-Stock Companies, the directors will proceed to ALLOT the SHARES on Friday, the 18th day of June inst.—All further applications for shares should, therefore, be made before that day, addressed to the secretary, at the office of the company, 33, Moorgate-street; or to Mr. Farrar, solicitor to the company, Dectors' Commons.

Dated this 8th June, 1847.

NORTH WALES MINING COMPANY,
COUNTY OF MEMONETH.

Divided into 12,500 shares, initied to £10 each, and carried out upon the Cost-book
System, with a deposit of £2 los, per share.

OFFICES, No. 2, NEW BROAD STREET, LONDON.

Applications for shares and prospectuses to be made at the office.

W. T. GRIFFITHS, Purser.

A SSAYING AND ANALYSIS.—Mr. MITCHELL begs to inform the MANAGERS, to., of MINES, SMELTING-WORKS, and MANUFACTORIES, that he still continues to COMDUCT ASSATS and ANALYSES of all PRODUCTS, metalburgical and manufacturing, at his LaBORATORY.

to which address communications are to be forwarded.—Instruction in all branches of

BRUNTON'S PATENT ORE-DRESSING FRAME.—
These FRAMES, for DRESSING TIN, COPPER, and OTHER MINERALS, havin
been in use, and given satisfaction, on several mines, during the last two years, the PA
TENTIEE begs to call the attention of all Adventurers and Mine Agents to the great at
vantages, both as regards economy of labour and the great increase of mineral obtains
their adoption. The Silvering general regent case registry that the depotition of the silvering general properties at their utility: —These Rollith by their adoption. The knowing gentiement can corruly at to their tunity;—it and Some; F. N. Johnson, Eq.; Capt. Jos., Vivian, Cook's Kitchen Mine; Capt. Bt. Ivee Console; Capt. R. Edwards, Wheel France; Capt. W. Teague, Wa Capt. James Miners, and Capt. Matthew Rogers, Carn Brea Mines.

DATENT GALVANISED IRON AND WIRE ROPE WORKS

MILLWALL, POPLAR.

ANDREW SMITH begs to inform the Mining, Railway, and Shipping interests, that has obtained a PATENT for an IMPROVED METHOD of GALVANISING IRON, producing a much superior article at a considerable saving in cost—the improved process for galvanising wire rope, adding only £10 per fon instead of £30, under the ordinary per cosess. The rope is extensively used in damp situations, for mining and railway pur poses, and for abine standing rigging.

DATENT KAMPTULICON COMPANY, 18, CORNHIE having completed their new factory, are p ctors with an elastic material (perfectly re-lespers, and between the frames and bodi-satly, wear and tear. The elastic planking

TO ENGINEERS, RAILWAY CONTRACTO
AGENTS, IRONMASTERS, AND OTHERS REQUIRING P
MACHINERY and AXLES of every description.—JOSEPH PERCY
NITI-FRICTION GREAGE is—after trials on machinery and axles of
constant friction is kept up—admitted to be the most useful, scone
paratill of the kind over offined to the availa.

TATIONAL LOAN FUND LIFE ASSURANCE SOCIETY,

or necessity,
arms of years are granted on the lowest possible rates.
DIVISION OF PROFITS.
secons and increasing prosperity of the society has
annual investigation, or declare a faurth house, varpremiums paid on each policy affected on the profit of
EXAMPLES.

& Sum.	Prem.	Four.	Bonus	ad	ded		mi.		Permaner of Pr			Assur		
40 £1000	40 34	1838	199	3	0	£109 87	1	4	£16			£445 395 346	11	
0.0	0.000	1840 [1841	116	7	6	54	0	10		18	10	296 247		

The division of profits is annual, and the next will be made in December of the preser F. FERGUSON CAMROUX, Secretary.

UNDER ROYAL PATRONAGE.

Z BATING'S COUGH LOZENGES are indispensably necessary and Presenting of Coughs, Asthmetic, and all Pulmonar

EATING'S COUGH LOZENGES are indispensably necessary, both for the Cure and Prevention of Coughs, Ashmatic, and all Palmonary complaints, during this changeable weather.

CURE OF COUGH OF EIGHT YEARS' STANDING. ACCOMPANIED WITH.

Bitz.—I have been afflicted with a severe cough and shortness of breath for nearly eight are, and after trying various remedies, did not find myself any hetter. I purchased a null bax of EATING'S LOZENGES of you, from which I found great benefit. The cond bert, is, 2d. size, completely cared me, and I can now breather more freely, and as free from cough as ever I was in my lib. Hoghing that others, sisularly afflicted, ill avail themselves of so certain and safe a remedy.

If a will themselves of so certain and safe a remedy.

OMr. Geo. H. Hewell, chemist, 73, bale-street, Liverpool.

Prepared and seek, in boxes as its. 14s.; thus 2s. 2d., 4s. 6d., and 16s. 6d. each, by HOMAS KEATING, chemist, 8c., No. 79, 8t. Paul's Churchyard, London.

N.B.— The safety attendant on the use of these Locourges, together with their agreeable your, has given them a well-merited popularity.

IR JAMES MURRAY'S FLUID MAGNESIA.—Prepared IR JAMES MURRAY'S FLUID MAGNESIA.—Prepared under the immediate case of the inventor, and established for upwards of 30 years by the profession, for removing BiLE, ACIDITIES, and INDIGESTION.—restoring APPETITE, preserving a medicate state of the borrels, and dissolving uric sold in Gika-VEL and GOUT; also as an easy remedy for SEA SICKNESS, and for the febrile affection incident to childhood it is invaluable.—On the value of magnesis, as a remodal agent, it is manecessary to enlarge; but the fluid preparation of Sir James Murray is now the most rained by the profession, as it entirely avoids the possibility of three dangerous conventions usually resulting from the use of the article in powder, and in the over-dosed iguits of descended in the convention of the profession of the consigner, if Balley, of North-street, Volverhampton; and by all wholessle and retail druggists and medicine agents throughen the British empire, in bottles, 1s, 2s, 6d, 2s, 6d, 1s, and 1s, and 2ls, each.

N.B.—Be sure to ask for "Sir James Murray's Preparation," and to see that his name is stamped on each label, in green ink, as follows:—"James Murray, Physician to the ord Lieutenant."

NO BREWING UTENSILS REQUIRED.

ATENT CONCENTRATED MALT AND HOP EXTRACT enables PRIVATE INDIVIDUALS to MAKE

FINE HOME - BREWING UTENSILS.—It has only to be disselved in water and fermented.—Sold, in jars, for usedicinal and other purposes, at is, and id, and in bottless for hrewing 9 to 18 gallons and upwards of ale, at 62. 5d. and 6d. cach, by the

BRITISH NATIONAL MALT EXTRACT COMPANY, EMBLASALS, Loudsals-teret; Raity and Co., 15, Finbury-pavement; De Castro Peach, 65, Piccadilly; Hockin and Co., 38, Duke-street, Manchester-square; and ell-and grocers generally.

en and gracers generally.

Also, just published, and may be had gratis,

NATIONAL BREWING: A GUIDE to the USE of CONENTRATED MALT AND HOP EXTRACT, for BREWING and WINE MAKING;
which is added, MEDICAL OPINIONS relative to the virtues of mail and hops.

N NERVOUS DEBILITY & GENERATIVE DISEASES.

—Just published, the Thirtieth Thousand, an improved adition, revised and corrected, 120 pages, pwice 2s., in a scaled envelope, or forwarded, pôst-paid, to any address, secure from observation, for 2s. 6d., in postage stamps, illustrated with numerous anatomical coloured engravings, "MANHOOD: the Canses of its Fremature Decline, with Plain Directions for its Forebet Restoration." A medical essay on those diseases of the generative organs, essassing from solitary and sedentary habits, indiscriminate excesses, the effects of climate, and infections, &c., addressed to the sufferer in Youth, Manhood, and Old Age; with practical remarks on marriage—the treatment and cure of nervous and mental debility, impostency, applialls, and other urino-genital diseases, by which even the most shattered constitution may be restored, and reach the full period of life allotted to man. The whole illustrated with numerous anatomical engravings on steel, in colour, explaining the various functions, secretions, and structures of the reproductive organs in health and disease; with insurractions for private correspondence, cases, &c.

By J. L. CURTIS and CO., Consulting Surgeons, 7, Frith-street, Sohn-square, London. REVIEWS OF THE WOLK:—"Manhood: a medical work. To the gay said boughtless we irrust this little work will serve as a beacon to warm them of the danger attendant upon the too rash indulgence of their passions, whilst to some it may serve as a monitor in the hour of temptation, and to the afflicted as a sure guide to health."—"Zworster, "We feel to health"—"Zworster, "Curtis on Manhood should be in the hour of temptation, and to the afflicted as a sure guide to health."—"Zworster, "Curtis and Co., and Manhood should be in the hour of temptation, and to the afflicted as a sure guide to health."—"Zworster, "Curtis on Manhood should be in the hands of youth and old age. It is a medical publication, ably written, and developes he treatment of a clears of painting mankides which has too ON NERVOUS DEBILITY & GENERATIVE DISEASES

postage stamps.

ON THE SECRET INFIRMITIES OF YOUTH AND MATURITY,

With 25 coloured engravings.

Juit published (in a scaled envelope), price 2s. 6d.; or post-paid to any address, 3s. 6d.,
in Post-ordice order or stamps.

ELF-PRESERV ATION: A Medical Treatise, on Marriage, and
on those Socret infirmities and bisorders of Youth and Maturity that are usually acquired at an early period of life, which tend to destroy physical and mental energy, ardour, passion, and all the attributes of manhood. Historized with twenty-five coloured
engravings, on the anatomy, physiology, and diseases of the urinary and reproductive organs, explaining their various structures, uses, and functions, and showing the injuries that
are produced in them, by solitary habits, excesses and infection. With practical observations on the treatment of nervous debility, local and constitutional weakness, apphilis,
stricture, and other diseases of the urethra. By RAMUEL LA'MERT, consuling surgeon, 9, Bedford-street, Bedford-street, Marriemland Medical Society, Licentiate
of Apothecaries' Hall, London, &c.

A pothecaries' Hall, London, &c.

"The author of this singular and falented work is a legally qualified medical society, Licentiate as evidently had considerable experience in the treatment of the various disorders, arising on the follies and frailties of early indiscretion. The engravings are an invaluable adding, by demonstrating the consequences of excesses, which must act as a salutary arising to youth and maturity, and by its perusal, many questions may be satisfacterily piled to, that admit of no appeal, even to the most confidential friend."—Eve.

"Unquestionably this is a most extraordinary and skilful work, and ought to be examined consistent; for its quite evident that there are peculiar habits acquired at publication of those establishments, and which cannot be too etrougly reproduced and adamned. The engravings that accompany the work are clear and explanatory; and ing written by a duly-qualified medical practitioner, will, donbtless, be the means of this many a youth, as well as those of maturer age, from the various will consequences in thing from early indiscretions."—Magnet.

The Minescenth Edition, price 2s. 6d.; free by post, 3s. 6d.

PHE SILENT FRIEND: a medical work, on the concealed THE SILENT FRIEND: a medical work, on the concealed tause of constitutional or acquired debility; constitutional energy, and derangement of the generative system, nervous debility; constitutional weakness, excessive integers, London. Fathlined by the authors, and cold at their residence; also by Strange, i. Fatarassets-row i Hanney & Co., 63, Oxford-street; Roble, 109, Chincery-lane, Cory. In 146, Leadenhall-street; Purkins, Compton-atreet; Roble, 109, Chincery-lane, Cory. Part I, of this work is adviced to those who are prevented from forming a marinional aliesee, and will be found an available introduction to the means of perfect and actal aliesee, and will be found an available introduction to the means of perfect and actal research and according to the control of the cont

al or acquired debility; by its use the whole system creatisation. Sold in bottles, price its and 30s. ONCENTRATED DETERSIVE 288 ENCE.—cent and purifying the blood from veneral contain.

Cransactions of Scientific Bodies.

MERTINGS	DURING THE ENDUING	
Society.	Address.	Days Hour.
Royal Botanic	Inner Circle, Regent's-park	Beturday B. P.M.
	Leicester-equare	
	3. Waterloo-place	
	Soho-square	
	25, Great George-street	
	Adelphi	
	Somerset-house	
Asiatic	Somerset-house	
Assisting	in diminute serves	SHUTHERY 2 F.M.

ROYAL COLLEGE OF CHEMISTRY.

l general meeting of members was held on Mon B. B. CABRELL, Esq., M.P., presided.—Mr. Jaco ton of the laboratories, the first stone of which was laid by Prince Albert m since maccouncil congratulated the members upon the appreciation which the institution had with from the public. The number of students at present in the college was \$\text{8}\$, ting no less than 147 from its establishment. A member of the college had expressed intention, as soon as the college was free from dait, to invest the sum of 1000, as a alaun for discoveries in chemistry effected therein. Two offers had also been made constituted to the amount of 1001, respectively, for the purpose of reising in each case \$M_*\$, as soon as other persons would come forward to complete the sums. Dr. Hoff-'report amounced the outre success of all the arrangements in the new building, the pregress of the students in various new chemical discoveries, which he conceived the leads to very beneficial results. The total receipts of the lustitation last year, inling the previous balance, amounted to 68461. Ta:, out of which, a present balance sined of 6231. Isa 7.0. The reports, together with the statement of accounts, were ofted unanimously; which was followed by the re-election of the company, to all of so complimentary votes were awarded. The business being concluded, some constion easued on the subject of the 10001, which it was proposed to invest as a prize to entire the premium was to be offered in particular for the discovery my neans which should render tron, when applied to all ordinary purposes, as little to rust or corrects as copper.—The meeting than separated.

the domory, explained that the premium was to be offered in particular for the discovery of any unceass which should render troe, when applied to all ordinary purposes, as little lishle to rend or correcte as experiment the mean-raised.

GROLOGICAL SOCIETY.

"On the Classification of the Lowest Fountificrous Rocks of North Wales," by Sir R. J. Murchison. The author explains the grounds on which he is compelled to dissent from the recent preposal of Professor Sedgweck made to the Society; and shows that its adoption would level down the selection treasming histher's state-due to the term "Siligrain to the recent preposal of Professor Sedgweck made to the Society; and shows that its adoption would level down the selection treasming histher's state-due to the term "Siligrain to the value of the selection treasming histher's state-due to the term "Siligrain forms, was separable into upper and lower divisions. The name Siligrain having head given to the which, that of Cambrian was subsequently applied by Ford; Sedgweck to the siligrain, by a poemilar suite of organic remains. Researches, however, having now proved that the se-called Cambrian works are also treasmed by the season shows to secupity the lowest feed with the season of the season o

INSTITUTION OF CIVIL ENGINEERS.
FRESDENT'S CONVENATIONS.

d conversations of the season, given by the president, Sir J
the Institution of Civil Engineers, his friends, and the emito

ric clecks and reserved.

A model of the Someonest-bridge, of 116 fact spin, article and Exeter Rallway, as an example of the orthogonest clean of the statistical by well-constructed trusted that her badges, a fuller and De Berque's application of their bridge for an example of the statistic spin of the sta

2. The relative volume, or ratio of the volume of steam, to that or the water which produced it.

3. The dynamical effect before expansion, or the number of its, raised one inch by the evaporation of each cubic inch of water.

4. The dynamical effect during expansion, or the number of its, raised one inch by the steam produced from one cubic inch of water in expanding from a pressure of 100 lbs. per square inch to the particular corresponding pressure. The dynamical effect in expanding from any one pressure to any other, must be clearly expansed by the difference of the corresponding numbers in this column.

Fart of the remainder of the paper was devoted to showing that whilst the performance of engines could not possibly be expected to exceed the results accretained as above, it should not fall far short of them in the case of engines of good construction. In conclusion, a simple method was suggested of ascertiating the magnitude of all the forces in action during the working of the Cornish engine, independently of the indicator.

In the course of the paper, the fallacy of the theory of what had been termed the "percussive action" of steam was ably exposed; and although, from the paper being full of mathematical formula, it was not well adapted for being read at a public meeting, it evidently possessed great merit as an investigation of an important subject.

It was followed by a short paper, also "On this Expansive Action of Steams," by Mr. Tate, mathematical smaster of the Training Cellege, Battersea. Its object was to demonstrate and apply a furnuls some time since discovered by the author, expressing the law of the expansion of steam, applicable to all formules professing to give the law of volume and pressure. It also examined and corrected Pole's formula, which, although a decided improvement upon Pambouris, was stated to be not sufficiently accurate for pressures above 70 lbs., or below high is conducted in a peculiar manner, with mixtures adapted to the effect desired to be attained. The form also of t

X IMPROVEMENTS IN THE DRY GAS-METER. On Monday evening last, at the Western Literary and Scientific Institution, Mr. Defries, the well-known engineer, of St. Martin's-lane, Charing Cross, loc-

Mr. Derbies, the well-known engineer, of St. Martin's-lane, Charing Cross, loctured on the impurities of coal-gas, as supplied for public and private illumination; and the destructive effects of the ammonia and sulphuretted hydrogen contained therein upon the metal of which the gearage of dry gas-meters is composed. He introduced his subject by calling attention to its great importance, and observed, that although many attempts had been made to produce a perfect dry gas-meter, they had all signally failed; while he hoped to prove to them that evening, that the last of his improvements—(a meter on which principle he should have the honour to submit to their motice)—was in every respect perfect in its registration, and so constructed, that the most impure gas could have no effect on the gearage, as it was entirely isolated. Of the numerous gas establishments in London, sunse, he was happy to bear testimony, produced gas perfectly good and well purified; while others, he was sorry to say, supplied an article equally bad: in the former he had had meters for six or eight years in use, as perfect, as far as corrosion went, as they were the first day, while in the latter, they would be completely destroyed in six months. In illustration of this fact, Mr. Defries produced a meter which had been in use at Mr. Rickett's, in Agar-street, four years, and was in perfect order and clean; while another (from what locality did not transprire) which had been employed only six months, was actually rotten. He then explained, that the metal of which the valve was composed in his former meters was unaffected by sulphuretted hydrogen, or amments, but it being soft and brittle, it could not be used for the gearage, and thus it was that she latter was always inable to be affected. In his new meter he had remedied this defect, by placing the gearage in a chamber above the body of the mater, and connected to the parallel motion of the diaphragmas below, by an unright abade, passifered the quantity passed. A light was here applied all ro tured on the impurities of coal-gas, as supplied for public and private illumina-tion; and the destructive effects of the amnionia and sulphuretted hydrogen concannot be overcome; and has, in consequence, devoted himself for years past to the dry meter, and, like him, sincost all the wet meter makers have turned their attention to it. Mr. Defries then exhibited various dry gas—meters, the first of which was that of the "Dry Meter Company." This had but one disphragms, and made the lights jump. A second one of this company's had two disphragms; one of Edge's; one of Crole's, with two disphragms; one of Sullivan's, Sugg's, and others. The only meters he could not exhibit were those of Mr. Clegg and Mr. Hutchinson. He expected to have had one of Mr. Hutchinson's to show to the meeting, and to illustrate upon it; but, although he had written on Friday last to request such, that gentleman did not accede to the request. But, as he was going shortly to deliver a lecture on gas, and to show the process through glass apparatas, he pledged himself to the meeting to produce one of Mr. Hutchinson's, or rather one from that gentleman; establishment, which is now called the "British Dry Gas—Meter Company." He said some of these were so much alike, that he could not distinguish in what particular detail the patent right lay. The improvement in his last meter consisted in substituting plate metal jointed with leather, for his flexible disphragm, which he formerly used, but which he had found affected the registration. With a large meter on this new principle, he measured the gas for the monster balloon, at the rate of 8000 cubic feet per hour; and it had been called in to adjust between the South Metropolitan Company and Mr. Gale, when it registered 100 feet per minute. Low's napthalising apparatus was exhibited, to show how readily carburetted hydrogen takes up aqueous or other vapours with which the water meter is charged—thereby lessening the illuminating power of the gas. It consists of a chamber through which the gas must pass, in which is placed a sponge atturated with naptha; a star of gas, treated in this way, was burnt by the cide of one as it Jeaves the main, and the increa

respensasion the de A I dend. the in A F Woulsh holder that a holder was per of the Mr. eleduct find it they would thing I desiral (Hear, The Mr. out by them a select as if the select as if the

ciate it, as it was the most economical and safe light which could possibly be produced; and, with respect to the quality, nearly every one of the London establishments was in a condition to turn out gas equally good, if proper attention was paid. It was then shown that the meter would work with \$-10th of an inch pressure, and the index would register the 60th part of 1-10th of a cubic foot. In conclusion, Mr. Defries said, that he had already supplied 16,000 meters; and firmly believed that he had made his dry gas-meter as completely perfect as human head could devise, or human hands perform.—A discussion here ensued, in which Mr. Newton joined; but it ended in that gentleman acknowledging the lecturer's improved meter to be a very perfect and beautiful machine.—A vote of thanks, moved to Mr. Defries, was unanimously carried, and suitably replied to; when the meeting terminated, after bestowing upon the lecturer their hearty applause.

Proceedings of Dublic Companies.

MEETINGS DURING THE ENSUING WEEK.

IS DAY.... Wheal Barbara Mining Company—British Mining Offices, at Twelve. Deptford, Rotherhithe, and Bermondsey Gas Company—London Tava Trelve for One.

Enth of Mastine Mining Company—offices, at Calc. Ca

BANK OF BRITISH NORTH AMERICA.

The annual meeting of this company was held at the establishment, St. Helen's-place, Bishopsgate, on Tuesday, the 8th inst.

OLIVER FARRER, Esq., in the chair.

The CHAIRMAN said, they had met together for two purposes—first, the election of three directors, who retired by rotation; and, secondly, to submit a report of the proceedings of the bank, up to the 31st of December last. He believed it was the usual course to take the report first, and proceed to the election afterwards. If it was their pleasure, he would purse the same course now. He would not at all anticipate the contents of the report, but he must say it was very short, and he hoped they would find it satisfactory.

The SECHETARY (De Bosco Attwood, Esq.) read the report, as follows:—

ERFORT.

The directors have much pleasure in reporting the steady was a start of the report.

£111,457 8 6

respectability—would be, in his opinion, very imprudent. (Hear.) He could assure the hon. proprietor that they were receiving the full market interest of the day. (Hear, hear.)

A Proprietor said, he saw the income-tax was deducted from their dividend. The Bank of England, as well as many other-banks, did not deduct the income-tax.

A PROPEIETON said, he saw the income-tax was deducted from their dividend. The Bank of England, as well as many other-banks, did not deduct the income-tax.

A Properson thought they cut it very fine in taking that off. (Laughter.) Would it not be better to imitate the Bank of England, by paying the shareholders the full amount of the dividend?

Mr. CARTER stated, that the income-tax did not apply to the colonies, and that at present no deduction was made from the dividend of Colonial shareholders. If, therefore, the income-tax on the dividend of British shareholders was paid by the bank, a corresponding addition must be made to the dividend of the colonial shareholders.

The Properstron considered that was a satisfactory answer.

Mr. GILLEAPIE (a director) said, some companies did, and others did not, indeduct the income tax—it was a matter of expediency. This company did not find it advisable to give the full amount. He agreed with the chairman, that they were justified in giving this dividend of 6 per cent.; he was sorry they could not go beyond it, but he hoped they should keep up to it, or do something more. Considering the extent of their business, however, he thought it desirable to add something to their rest, it would be keeping on the safe side. (Haar, hear.)—Mr. G. R. Robinson (a director) was of a similar opinion.

The report was then adopted unanimously.

Mr. N. Lawis said, he saw from the circular, that three of the directors went out by rotation, and were re-eligible. Now, was it not better, instead of having them cut and dried for this meeting, to leave it to the court of proprietors to select three gentlemes, in place of those going out by rotation. It now seemed as if there was no power, or discretion, left to the proprietors.

A Proprietor said, the shareholders had the power.

Mr. N. Lewis denied it. They never called upon them to select three gentlemen, but they were all elected by the directors. (No, no.)

The Charishas said, they only asked them to concur in the election of those gentlemen. The court of proprietors might reject them, if they thought proper.

Mr. N. Lewis replied, that he shelld not reject them, because he knew they were very fit and respectable, but the subject, he thought, ought to emanate from the body of proprietors.

Several proprietors remarked, that it was so in reality.

The Charishas observed, that they acted in the same way as other companies, and gave the proprietors an opportunity of proposing any one else, although not obliged by the Deed of Settlement. They had given 40 days' previous notice of those who were proposed for election—therefore, there was plenty of time for the hon. proprietor, if he wished to propose himself—(laughter)—or any one else, for the office of director. Did the gentleman wish them to call a meeting for the election?—if so, this was the meeting for the election. There being no others proposed, they could not elect any one else at this meeting, but they might reject those now brought forward, if they thought proper.

W. H. Chapman, Esq., J. S. Cummins, Esq., and Sir A. P. Green, were then re-elected directors unanimously.

Mr. H. Alexander then proposed a vote of thanks to the directors for their able management of the company's affairs.

Mr. Lewis seconded the motion, which was passed unanimously.

EXTENSION OF THE PRINCIPLES OF LIFE ASSURANCE.

Review of the control of the company's affire.

Mr. Levra seconded the motion, which was passed unanimously.

EXTENSION OF THE PRINCIPLES OF LIFE ASSURANCE.

We cannot omit taking somewhat particular ancien of the prospectas before us, from the great importance of the subject spon which it treats, baseds. "The People's Branch were all the produce of the subject spon which it treats, baseds." The People's Branch were the produced of the prospectas before us, from the great importance of the subject spon which it treats, baseds. "The People's Branch were the produced of the prospectas before used of the property of the produce of the prospectas before used of the property of the produce of the property of the produced of the produced of the property of the produced of the p

CHEAP TRAINS—EXAMPLE FOR RAILWAY DIRECTORS.—The Norfolk Railway Company have commenced running cheap trains twice a day, and three days in the week, besides Sundays, from their station at the Foundry-bridge, and from Whitlingham and Thorpe, the places where the Norwich public resort for pleasure at this season of the year, at the small charge of one penny for the journey. The distance by the road is about three miles.

sort for pleasure at this season of the year, at the small charge of one pensy for the journey. The distance by the road is about three miles.

PATENT RAILWAY BREAK.—Mr. Lee has exhibited a model of his new railway break, the importance of such an invention is every day becoming more evident, and Mr. Lee's plan assens well calculated to secure the desirated object — that of speedily arresting the course of a train in eases of danger. It provides for two classes of danger: for unexposed concussion, a buffer projects from the carriage or engine, and any force coming in contact with it lets down a drag or break upon the rail, which immediately stops the carriage of though, perhaps, this contrivance would not at once stop the whole train, said with a baffer to each carriage that might almost be accomplished, it would prevent the occurrence of what is most to be feared in cases of concussion—that is, the dreadful effects caused by the meeting of two opposite, the progressive and the arresting forces, by which the carriages in the contre of a train are frequently heaved up or completely crushed. In the other case, that of foreseen danger, the conductor of the train can, by turning a handle, simost immediately arrest its course. It was stated by the inventor, that or the Croydon Railway a train of 19 carriage, edscending an incline at a velocity of 35 mites an hour, was, by breaks to one carriage only, brought to a deast stand within 55 years. Breaks to one carriage on nine are considered to be the requisite average.

MIRACULOUS RESTORATION OF HEALTH BY HOLLOWAY'S PILLS—Miss Ellen Knight, 36, Stanhope-street, Regent's-park, a young lady of the most delicate constitution, had been a marry to suffering for years, through overflow of bile and bad discession, causing palpitation of the heart, with great difficulty of breathing—to walk the loast ascent was impossible. The best medical advice had been obtained in Loadon, Birmingham, France, and other places, but in vain; nor did she receive permanent relief until she took a

IMPROVEMENT IN THE MANUFACTURE OF RAILWAY RAILS. RNEYCROFT'S PATENT ANTI-LAMINATING RAIL

Among the difficulties which railway engineers have had to contend with, there has, perhaps, been none which has caused them greater anxiety than the lamination of the iron, of which the rails are formed, from their being

the lamination of the iron, of which the rails are formed, from their being piled and faggotted together, causing them to splinter off on the face, on the passing of heavy trains, rendering them dangerous and useless in a short period after being laid down, and entailing continual and heavy expenses. It has long been a subject of deep thought and serious consideration, how this lamination and splintering could be remedied; for, as the traffic and the weight of the locomotive engine increases, the evil becomes still more serious, and alarming accidents have taken place from this cause.

Mr. Triornspycroff, of Wolverhampton, the eminent ironmaster, among many others, having been consulted on the subject, applied himself earnestly to its consideration and accomplishment; and, we are happy to say, has succeeded beyond his most sanguine expectations. Samples of the rails have been inspected by many of the most eminent railway and other engineers in the kingdom, all of whom have expressed their decided opinion of the complete success of the new manufacture. One of them, a man of great eminence in his profession, having been to the works, and inspected the improved mode of manufacture, pronounced it most simple and perfect, and the greatest improvement that has been made in the make of iron rails since railways have been known; and, to use his own words, "it must prove a great national benefit, and I hope the inventor will be amply rewarded for his trouble and enterprise." In the expression of this sentiment we most heartily concur.

We last tweek amounced, in our List of Patents, this invention; and we

we most heartily concur.

We last week amounced, in our List of Patents, this invention; and we we mst week announced, in our List of Patents, this invention; and we have since had an opportunity of closely inspecting parts of four rails, which had been broken to show the fracture of the iron at one end, while the other was polished, and an acid applied, showing all the lamine, and every sam formed by the faggotting of the iron. The following diagrams will clearly show Mr. Thorsetcropt's improvements:—

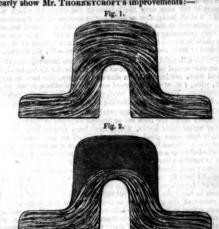


Fig. 1 represents a section of a rail manufactured on the old method, showing the lamination of the iron from top to bottom. Fig. 2 shows Mr. Thornsychoff's improvement, by which it will be seen that the part of the iron liable to wear away is one perfect homogeneous body, as much so as if it was cast-iron or carst-steel, still perfectly malleable as any other wrought or rolled iron, but, being jointless, is perfectly free from lamina, and not liable to splinter off on the edges. We understand the rails are about to be laid down immediately at some of the principal stations on the larger lives, where the most severe trials will be given them. The inventor appears to be quite confident that the results will prove highly satisfactory; and, indeed, in this there seems little difference of opinion among all who have inspected them—a few months, however, will decide, and, in the meantime, specimens may be inspected at our office.

CLARKE & VARLEY'S RESILIENT ATMOSPHERIC RAILWAY. Fig. 2 Fig. 1. Fig. 3. 0 0

We are happy to find that this beautifully simple adaptation of the pressure of the atmosphere to railway propulsion is causing that excitement and inquiry among engineers and the railway world which will, doubtiess, eventually convince the most sceptical, and cause the principle to be adopted. From the uncertainty which has for years been hanging over the system generally of pneumatic power as applied to railways, and more particularly the cloud which, during the past few weeks has enveloped it, from its abandonment on the Croydon line, many persons have expressed to us their fears, and indeed conviction, that it was an unfortunate moment to introduce the resilient plan. Convinced, however, from the first, of the soundness of the theory, that the transfer of power by means of the vacuum was economical and safe, and that it only wanted a mode of construction as simple as the principle is good, to prove the same in practice, we feel satisfied that the moment is most favourable; and that the resilient tube, possessing all the advantages which the theory above sure of the atmosphere to railway propulsion is causing that excite of construction as simple as the principle is good, to prove the same in practice, we feel satisfied that the moment is most favourable; and that the resilient tube, possessing all the advantages which the theory abovementioned holds out, with none of the defects of the thousand and one fittle plans which have in the last few years been brought before the public, will now prove its excellence so effectually as not only to revive the confidence of the desponding advocates of atmospheric traction, but gain a host of converts to the cause. One great objection to the principle of pneumatic propulsion has been the continual breakage to the air-pumps, which has occurred from the absolute necessity of working them at high velocities, to overcome the leakage. The resilient plan avoids this inconvenience, as, from the perfection of the joints, the air-tight closing of the longitudinal opening, and the correct fitting of the piston, the air-pumps are worked with the greatest ease and regularity. A model of a 15-in. tube, with one joint, was exhibited at the conversations of Sir John Rennic, at the Institution of Civil Engineers, on Saturday last, and created a great deal of discussion on its merits, and much general curiosity. Additional lengths of 7 fit, 8 fit, and 9 fit, are being new added to the experimental line at the Poplar station of the Blackwall Railway, where everything possible is being done to test its powers and capabilities; and the patentees are anxious that the most searching investigations should be made. On our last visit to the experimental model, we were favoured with a description of the plans to be adopted for stopping at stations, and passing sidings. It appears to us, that the patentees have not only been devoting their attention to the perfection of the tube, but are prepared with every detail of working; the arrangements for the above movements are most ingenious, and give as much command over the power employed for the propulsion of the train, as can be secured by the locometive engine.

Mining Correspondence.

ENGLISH MINES.

ENGLISH MINES.

ALBERT ADVENTURE.—The lead lofte looks well: we have put some meat to dress the lead for market.—E. KENDALL.

BARRISTOWN.—The 18 fm. level end west is without alteration; the rise in the back of this level, 30 fms. behind the end, we have holed to a cross-cut driven 3 fms. north from 12 fm. level—thus showing the two lodes distinctly at this point, with about 18 ft. of ground between them; the main lode in the rise is worth 18 f. per fm. The lode in the 12 fm. end is worth about 14 faper fm., in the stopes, under this level, perpendicular to the 18 fm. level, the lode is worth 18 fp. per fm.; the winze, sinking under this level, has alightly improved, the lode larger and more regular. We have nothing further new in any part of the mine to report on. The following is a list of our prices for June month:—Fist-rod shaft, sinking under 28 fm. level, 12 fp. per fm. (9 men); 18 fm. level and west, 41. 10s. per fm. (6 men); winze in bottom of 18 fm. level, 6 fms. behind this end, 41 per fm. (4 men); gaining stope on middle lode west, under 12 fm. level, 42 per fm. (4 men); gaining stope on middle lode west, under 12 fm. level, 42 per fm. (4 men); ditte cast, 11. 10s. per fm. (8 men); winze ainking under 18 fm. level, on middle lode, 71 per fm. (6 men); adit end east, 22 per fm. (4 men). Tributers 40 men, prices from 41 10s. to 64 per ton.—T. Angove; G. Wartz: June 4.

BEDFORD UNITED.—At Wheal Marquis, the lode in the sump winze in the 80 fm. level east, in 3 ft. wide, and worth 302 per fm.; the lode in this level east is 3 ft. wide, composed of spar, mundic, and ore—saving work. There has been no lode taken down in the 70 fm. level east time last report. In the 58 fm. level east the lode is 18 in. wide, composed of spar, mundic, and spots of ore in places. At Liscombe, the lode in the adit level east is 3 ft. wide, producing good stones of ore; the lode in the rise in this level is 2 ft. wide, producing good stones of ore; the lode in the case near the bottom of the limestone, I intend driving eastward

in it, and a very promising appearance. The horse level is clear now into the end, but we shall be forced to take up a stope from the bottom of it, as there was a great deal of level lost when it was first driven.— W. W. PAULL.

CUBERT SILVER-LEAD.—The only alteration we have to notice this week, different from that stated in last report of 28th ult., is the 35 fm. level, bottom ends, east and west, are improved in size and quality, the lode being, on an average, 2 ft. wide, 1 ft. of which is good saving work—these levels at present are very promising. The 25 fathom level, going east, is a kindly looking lode, 20 in. wide, 6 in. of that width good saving work.—R. ROWE: June 4.

DARTMOOR CONSOLS.—We are getting on very satisfactory with clearing Two Brothers' adit; the men are at present engaged in putting in the necessary timber under some good work in the stuff we are removing—consequently, I think it advisable to save the tin, and get it at surface. The arches of rich tin, alluded to in a former report, I think, under present circumstances, will require to remain where they are, as there is a quantity of ground supported by them; and, should we take them away, we cannot secure the ground to make the adit firm for the present without great expense. We have walled up the collar of Henry's shaft, and put in necessary timber, so as to complete it in readiness to hawl the tin and rubbish from Two Brothers' adit; there is a splendid course of tin gome down in the bottom of the deep adit, vers of Henry's shaft, 8 fins. in length—the lode here is 8 ft. wide, of rich saving work; they have susk on this lode, in the bottom of the deep adit, 7 fma, and were obliged to abandon it, on account of water; and we have every reason to suppose this rich course of tin increases in length as it goes down, as all the droppose, fibres, &c., are disping into it, and must, ultimately, enrich the lode as it gets desper. It would be advisable to clear the deep adit, and throw flat-rods, so as to sink on this banch of tin, as well as si

one at the back of the 50, at 10s. in 12, and one at the 40, at 12s. in 12. The stopes in the bottom of the 40 are producing saving work—a promising lode.—

H. Groake: June 9.

DEVON AND COURTENAY CONSOLS.—We have driven 7 ft. west, on the south lode, in the 30 fm. level, and 4 ft. east; the lode in the eastern end, is 3 ft. 6 in, wide, composed of spar, peach, and mundle, and producing good stones of copper ere; the lode in the western end is poorer than it is in the eastern end—the lode is about 2 ft. 6 in. wide, composed of killas, spar, peach, flookan, and mundle, with spots of copper ore; in the deep adit, driving east, on south lode, we are driving on the course of the lode; the cross-course hove the lode about 3 ft. south—the lode is about 2 ft. 6 in. wide, composed of spar, mundle, killas, lead, and copper ore; the shallow adit, on north lode, is looking just the same as last reported, still producing good stones of lead ore, with spots of copper—the lode is about 3 ft. wide.—E. NORTHET: June 8.

EAST CROWNDALE.—In the pass week the sumpmen have finished cuting cistorn-plat, casing and dividing shaft, &c. The ground in the adit level, towards the fix Hill lodes, continues just as it was when last reported upon. In the shaft sinking on the course of the lode at fix Hill, the ground is hard, and the lode has very much increased in size, a branch having cene into it from the about 1, it is upwards of 3 ft. wide, of a very kindly description. I hope, fr.c. appearances, to give a very good account of this place next week. Our engine and pit-work are in good order.—Stepti. PAULI: June 5.

EAST TAMAR CONSOLS.—At Whitson, the men in Hitchina's shaft are getting on as expeditionsly as possible, the ground being more favourable for ninking. The lode in the 64 fm. level north is 18 in. wide—fluor, spar, and silver-field ore; the lode in the 64 south is 26 in. wide, producing good stones of silver-lead ore; the lode in the 60 north is 15 in. wide—work of a course quality. The 54 north is still in slidy ground; the

GREAT WHEAL MARTHA.—The cross-cut south is now driven 11 fms. 5 ft. 6 im., and the ground more favourable for driving; according to our calculation, if the lode keeps its regular underlay, we have about 3 fms. more to drive to cut the lode, which we expect to do by the end of this menth. At Sherrall's, the shaft is now sunk 8 ims.; the lode is about 3 ft. big, composed of peach, capel, spar, and mundic, with water issuing from the lode—we shall be obliged to suspend operations here. I intend putting the men to costean further north in search of a lode (seen in the adjoining sett to the west); it appears to have a south anderlay, and passing through this ground.—Thomas PESALUMA: June 5.

PENALUZA: June 5.

GUNNIS LAKE.—At Chilsworthy, Bailey's engine-shaft is 9 fms. under the 12 fm. level—the lode remains without alteration. In the 12 fm. level west we have got through the cross-course, and are now driving north in purmit of the lode; this level east is suspended for the present.—W. BICHARDS: June 8.

HAWKMOOR.—The lode in the 15 fm. level, east of Hitchins's shaft, is 3 ft. wide, composed of spar, capel, nundic, and good atomes of ore.—P. BICHARDS.

HEIGNSTON DOWN CONSOLS.—The lode in the 20 fm. level, west of morth shaft is 3 ft. wide, composed of spar, peach and tim—good work, a very promising lode; in the 20 fm. level east the lode is 3 ft. wide, producing very good work; the pitches in the back of these levels continue to yield work of a good quality. The cutting down of north shaft for engine-shaft, under the 20 fm. level, is proceeding satisfactorily.—W. BICHARDS: June 8.

HOLMBUSH.—The ground in the diagonal shaft, below the 120 fm. level, is favourable for sinking—herying a cross-course passing through the western ead of it; the branches in the shaft are composed of spar, mundic, and stone of ore, and is more promising than for consisting past; the lode in the 120 fm. level, east of Hitchins's shaft, on the north art, is 15 in. wide, composed of sundic and spots of rich ore. The 110 fm.

level, east of Hitchine's shaft, on the south part, is communicated to a winse that has been sunk some years since, which is full of rubbish, erattle, and must be cleared out before we can resume driving the level to the east of it, the lode in the 110 fm. level south is 18 in, wide, composed of flockan, spar, and stones and sprige of lead scattered through it—a very kindly lode, and ground favourable for driving. In driving the 100 fm. level south, on the lead lode, a short time since, we cut a large stream of water in the bottom, and on the western side of the level, which has since rather increased than otherwise; at the time we cut it, little or nothing was thought of it; but we rather supposed it would drain itself, as we have seen before in many instances; the level being driven farther south, which is quite dry, induces us to put two men to open some ground at the place where the water is issuing from thinking it may possibly lead us to an east and west lode (perhaps, the flap jack lode), agreeably with the general direction of this lode—it is 10 fms. further south; however, we shall take care to open ground enough on each side of the level to prove it; the lode in the rise, above this level, is 2½ ft. wide, composed of spar unitange of lead, worth 61 per fm.—we expect to hole this rise to the 90 fm. level this month; the lode in the 90 fm. level south is 2 ft. wide, composed of spar unitan, and apots of lead. Our small stamps, with four heads, was set to work last Saturday, which answers very satisfactorily indeed; and we hope in two months hence to set the large one in motion, with eight heads, to work. On Thursday next, we shall send samples of parcel of silver-lead ore (computed 10 tons) to the company who purchased the article, to receive their tender for the same.

—W. LEAN: June 8.

—W. LEAN: June 8.

ILAM.—In the 42 fm. level, west of Robins's shaft, the lode is looking very kindly, with good vughs of copper, with stones of 4 to 5 lbs. weight. We are getting on well with the plat, and hope to finish it by Friday next. The lode in the 67 fm. level east is from 3 to 4 ft. big, with a very kindly appearance in the end. We have broke into a vugh, or shake, which, it gives me great pleasure in informing you, has made an outlet for the water. We have done but little in the 67 fm. level, west of the shaft, as four of the men are employed in cutting the plat. I have never seen the mine looking so promising as at this time.—JAMES SPRAGUE: June 8.

KIRKCUDBRIGHTSHIPE.—I am.

in cutting the plat. I have never seen the mine looking so promising as at this time.—James Spracue: June 8.

KIRKCUDBRIGHTSHIRE.—I am happy to inform you, that we have an increase of lead in the lode driving west, at the 40 fm. level, should say worth 100. per fm. The lode in the 30 west is large, net without lead, but, on the whole, poor; the rise not so good as it has been during the week, worth now 200. per fm.; the end in this level east, on the caunter, improves a little as the horse of ground reduces. The lode in the end west, in the 20 fm. level, looks well, worth 121. per fm. Sinking an air-shift cast of shaft, to hole to an old pitch in back of the 20 fm. level, we have discovered lead, worth 51. per fm.; rising against said shaft the lode is worth 31. per fm. The stopes continue to look as usual.—June 6.——I beg to state, we have an increase of lead, say 2 in. big in the end driving west in the 30 fm. level; the caunter appears to be separating to the south at this point, and the main lode continues its own direction. The lode in the 40 west is also improving slowly. In the 20 west it is surprising to say there are no symptoms of the junction, although we are gone beyond the point; from the observations and distances we have taken, coupled with the absence of any nature of the caunter in this end, I am led to suppose the junction is either before us west, or, having formed a parallel with the main lode—at all events. we cannot err, by forcing this end, as the lode is yielding ore, worth 12t to 15t. per fm. Regarding the stopes, and all other points of operations, I can only add, that these are looking much the same as last reported.—J. Buzzo: June 8.

LEWIS.—The lode in the 60 east is 25 ft. wide, worth 3t. per fm. for tine the level in the 60 in the 60 east is 25 ft. wide, worth 3t. per fm. for tine the level in the 60 in the 60 east is 25 ft. wide, worth 3t. per fm. for tine the level in the 60 in the 60 east is 25 ft. wide, worth 3t. per fm.

lode—at all events. we cannot err, by forcing this end, as the lode is yielding ore, worth 12t to 15t. per fin. Regarding the stopes, and all ether points of operations, I can only add, that these are looking much the same as last reported.—J. Buzzo: June 8.

LEWIS.—The lode in the 60 east is 2½ ft. wide, worth 3t. per fin. for tin; the level in the 60 west is 3 ft. wide, composed of apar, mundic, peach, and white iron, with a small portion of tin; this end has a very promising appearance. The lode in the 50 enst, on south branch, is 15 in. wide, worth 3t. per fin. for tin. and very promising; the lode in the 50 east, on south branch, is 15 in. wide, worth 3t. per fin. for tin. The lode in the 40 east is 2½ ft. wide, worth 3t. per fin. for tin. Our tribute pitches at the back of the 40 and 50 are looking very well. All other places are much the same as for some time past. We have purchased an axle for the steam-stamps, that will lift 9 heads, and hope to get it in good course of working against Saturday next, the 12th inst., after which we hope our sales of tin will be larger than heretofore.—Samuet. S. Noet: June 5.

MENDIP HILLS.—The lode in the winze, sinking below the 38 fm. level, is in a more settled state than it has been since we commenced sinking in this part, it being about 4 ft. 6 in. wide, composed principally of light-coloured flookan, intermixed with stones of lead, the walls of which are very regular in this course, underlaying 2 ft. per fin., ground favourable for sinking; in the 3s fathom level, south of shaft, the lode is 5 feet wide, composed of quartz and flookan, with particles of lead at times—the ground is a little harder than it has been; present price for driving, 55s. per fm. Our different operations in the alag department during the past week have been very favourable, the large bed of slag from which the top rubbish is being removed, continues to hold out very well. We still press forward with all possible speed with the water-course; 250 fms. of launders are land in their places, an

team—W. Lean.

SOUTH TAMAR UNITED.—Our engine is working very satisfactorily, and has forked the water 7 fms. under the 24 fm. level. The shaftmen are engaged in putting in dividings, casings, and footway, making good all necessary work as the water goes down. The men in the adit level are getting on in clearing and securing very satisfactorily.—B. Robins: June 8.

SOUTH WHEAL MARIA.—The cross-cut north from the shaft is driven about 7 fms. The men cut a pretty large stream of water last night, from which we are led to suppose that we are very near a lode. The ground is not quite so favourable for driving as when last reported. The ground in the south cross-cut continues much the same; here we are about 5 fms. from the shaft. There is no appearance of a lode yet, although the ground is yielding protty much water.—Geo. Frances: June 10.

SOUTH WHEAL ATRELAWNEY.—The cross-cut, west of Snall's shaft.

SOUTH WHEAL TRELAWNEY.—The cross-cut, west of Sn is still driven with six men—ground just the same as last mentioned. Snell's engine-shaft is in course of sinking undit the adit with nine men—ground just the same as last reported, composed of white killas, mixed with nundic and spots of copper ore, and water favourable.—W. JENKIN: June 7.

spots of copper ore, and water favourable.—W. Jenken: June 7.

TAMAR SILVER-LEAD.—In the 160 ends no lode has been broken since the last report. In the 145, north of the shaft, the lode is 18 in. wide, and good saving work, leaving ground in the back and bottom which will work at a moderate tribute; in the same level south, the lode is disordered by cross branches. In the 135 end the lode is 24 ft. wide, saving work. In the 125 fm level the lode is 2 ft. wide, composed of flookan and ore, good saving work. At the north mine, the ground in the 70 end is a little improved for driving within the past week; the lode is still in a disordered state, being so near the hard hill. In the 60 end east the lode is 3 ft. wide, composed of capel and ore—a very promising lode; the pitches we have working here are turning out remarkably well. We sampled, on the 1st inst., computed 102 tons of rich silver-lead ores.—J. Sprangur: June 7.

TINCROFT—There has no material alteration taken place in the state and

TINCROFT.—There has no material alteration taken place in the state and prospects of these mines since my last report. I regret, however, to say, that in consequence of distarbances among the miners in the neighbourhood, very little has been done in the past week; now, I am glad to say, all is peace.—W. Paul.: June 7.

little has been done in the past week; now, I am glad to say, all as peace.—
W. Paul: June 7.

TRELEIGH CONSOLS.—In the 110 fm. level, east of Christoe's, the lode
is about 2 ft. wide, producing stones of ore, and much harder than it was. In
the rise above the 100 cast, the lode is 20 in, wide, and will produce about one
ton of ore per fm, worth 5t per ton. In the winze below the 30 cast, the lode
is 18 in, wide, worth 3t, per fm.—this will be holed next week to the rise. In
Garden's shaft, below the 30, the ground is very hard—we have 4 ft. more to
sink it to the 100 fm. level; in the 90, west of Garden's, the lode is 20 in, wide,
producing good stones of ore, and more promising. In the 80, west of ditte,
the lode is 3 ft. wide, worth about 12t. per fm., and has a more promising appearance; in the 80, cast of ditto, the lode is 2\text{\text{\text{it}}} wide, worth 40t. per fm.;
the south branch, which split off, has fallen in with the lode. In the winze,
below the 70, east of ditto, the lode is 20 in, wide, worth about 5t. per fm.; in
the 70, west of Symons's, the lode is 20 in, wide, worth about 6t. per fm.
In the winze below the 50, west of Symons's, the lode is 20 in, wide, worth about 6t.
Per fm.—this will be holed on the 60 next week; in the adit east, on Wheal
Parent lode, we have done but very little this week—the men having been employed making ore floors at Garden's.—W. Symons's, the lode is 20 in, wide, worth 5t
per fm.—this will be holed in the 60 next week; in the adit east, on Wheal
Parent lode, we have done but very little this week—the men having bone for the
past week, the water being in, in cansequence of changing a piece of rod. In
the 80 fm, level, eastern end, the lode is 2\text{\text{\text{\text{h}}} wide, worth 16t, per fm.; west
of cross-cut the lode is 3\text{\text{\text{\text{h}}} ft. wide, worth 14t. per fm. At Wheaj
last; in the shallow adit the lode is 2\text{\text{\text{\text{h}}} ft. wide, worth 4t. per fm. At Wheaj

Charles, in the 40 fm. level, the lode is 25 ft. wide, poor. At Wheal Sparrow, in the 40 fm. level, the lode is 2 ft. wide, worth 42 per fm. In the 80 fm. level, western each, the lode is 6 ft. wide, worth 40 per fm. In the 80 fm. level, western each, the lode is 6 ft. wide, worth 10 per fm. In the 20 fm. level no lode broken for the past work. It consequences of our etspuips the segment at Williams's last Friday, to wastern to the search of the 10 per fm. In the 20 fm. level no lode broken for the past work. It consequences of our etspuips the segment at Williams's last Friday, to wastern the past of the 10 per fm. In the 20 fm. level. We hope to be in fork by the 10 per fm. In the 20 fm. level. We hope to be in fork by the men have at present 44 d. aper ton for raining lead ore. As the mine go westward in the extension of its bottom level, the country around the lode is 16 in. wide; the further we extend this level the more promising indications for mineral than at present. Solid lead ores June 2, 17 tons 6 owts. 2 gras, at 100 6s 6d per ton — 1780 4a 7d.—T. Hoover, we ST Willest J. EWEL.—In the 115 fm. level east, now Meal Jewel lode, the lode is 18 in. wide; the further we extend this level the more promising in life looking for ore—driven last month; 2 fm. 18. In. In the 100 fm. level weet, on Wheal Jewel lode, the lode is 18 in. wide; the further we extend this level the more promising in life of the promising indications for mineral than at present. Solid leads of cross-cut, on the same lode, the lode is 16 in. wide; the further we extend this level the more promising indications for mineral than at present of cross-cut, on the same lode, the lode is 10 fm. wide. Solid leads of the lode is 10 fm. wide. Solid leads of the lode is 10 fm. wide. Solid leads of cross-cut, on the same lode, the lode is 10 fm. wide. Solid leads of the lode is 10 fm. wide. Solid leads of the lode is 10 fm. wide. Solid leads of the lode is 10 fm. wide. Solid leads to 10 fm. wide. Solid leads to 10 fm. wide. Solid leads to 10 fm.

10

FOREIGN MINES.

FOREIGN MINES.

IMPERIAL BRAZILIAN MINES.—Gongo Soco, March 23.—I have the honour to submit duplicate of my respects of the 13th inst. I am happy to inform you, we are now in actual and entire possession of Bananal; and, as the notary will finish copying the necessary documents to-day, to-morrow we shall take legal possession. I am sure, in a case of such consequence, you will approve of my being scrupulous not to omit one form which maybe added to our security.—April 3.—I regret to say, that the Gongo Mine has presented nothing calling for observation since my last respects; every means of conveyance we can command is now in active employment removing from this place and from Catta Preta such machinery and stores as are needed at Bananal; several artificers, miners, and labourers, are already there, and we await only preliminary preparations for their employment, and accommodation to send many more; and, by the end of this month, there will remain here only as many as the necessary experimental researches may require.—Gold workings from 19th March to the 2d April, 6 lbs. 9 ozs. 9 dwts.—W. J. Huxwoord.

ST. 101N DEL REY MINES.—Morro Velho, March 29.—Produce.—Aye.

ings from 18th March to the 2d April, 6 lbs. 9 ozs. 9 dwts.—W. J. Hexwood.

ST. JOHN DEL REY MINES,—Morro Velho, March 29.—Produce.—Average number of stamping days with 71 heads, 26:98; average number of heads working 28 days, 66:94. The supply of ore has scarcely improved; the East Cachoerra Mine has been under water since last post.

Mine.—A temporary lift of pumps was completed in the Cachoeira shaft last Thursday, since which the water has been draining well, and to-morrow it is expected the Pengilly's kibble will be enabled again to draw ore, and stoping operations resumed in this part of the mine. I hope now all the temporary difficulties are approaching their termination, for Capt. Treloar and his men were becoming tired out; some ore had to be broken in the West and Middle Cachoeiras to keep up the supply of ore to what it was. The mechanics have been employed in preparing the temporary lift of pumps, they will now commence with the 40 ft. pumping wheel again.

ALTER MINES.—The following is the estimated produce for Amilia.

EN MINES.—The fo	Ma. of	men.	Tons ore.	Per ct.	Tone coppe
Raipas		26	65		A
Tiniand Minos		12	50	D	200
Ryper's		6	6	8	0.30
Ryper's			34	5	0.13
Michally	- 44 Aba-				
Cole's		6	34	48	**** 0.10
Old Ming		4	12	6	0'72
Quænvig	1000	2	3	4	0.13
dimensal	100.00				and the second
Total	4000	A heardy	147		7-49

Mining Report, from the 22d April to 12th May.

Raipas.—My last report will, in some measure, have prepared you for it as the quality of this month's profine, which is even greater than I had will, however, be observed, by a reformed to the best or has again increased from 14 to 25 per cent, whilst the der still continue low. A general improvement has evidently taken place in 16 the several lodes; but it has been so recent, that I dare not hold out it memory before further investigation. Labouthere's lede has latterly be ferred; but, is approaching a more settled and regular stratum, has again at present wears a more kindly and promising appearance than for some The 16 fm. level, as this lode, is driving on a time great note. The 10 fm. level, on this lode, is diriving on a fine taining some rich patches of purple ore, which a the level; it will, hereafore, be necessary, in the cross-cut from the westermost workings, in this time this lode at a greater slepth. The produce of improvement alluded to in my last report comit is yielding some good returns. The other stops about the latter end of this meanth we hope to image in shaft. We, 5, and expect to be able to re about the middle or latter part of June. The sand our winter carriage has also cased for the in, the cres remaining at Bookkop, and on them and returned to the smelling-thouse in this year.

0

10

However, — A communication has now been formed between the old stopes and continuent prevents that the same time past of this part of the mine. However, — A communication tally refuse the cost, of working this part of the mine. However, and the mine of the part of the mine. However, and expensive, but I still consider it advisable to drive a few fithing place.

Michaella.—The reof stope has been suspended, and the shellow skill casterly is still peor, seet, and expensive, but I still consider it advisable to drive a few fithing active for the sale of draining and exploring the eastern part of the mine, which at present remains in its prictine state, with traces of rish over at the surface. Some of the old workings on the nexth lode, anspended in 1837, are now resumed on tribests, and we expect the returns from this part will amply rapay the cost of driving the still.

Colet.—The ore its latterly been confined to the bottom of the stops, but this great quantity of water flowing in the time dearing the melling of the series.

Colet.—The value of the returns has been enhanced by paying the miners for the produce in proportion to its value; in this manner one parcel of ore has been increased to 75 per cent., where it formerly seldom produced more than 5. The men are now beginning to see the advantage gained by currently nedering and proporting related usuality of ore, of a better per cause old halvan heap, at the surface as tributed and the produce in surface as tribute as the surface as tributed and the produce in the produce in ord weakmen our related to the surface as th

Week ending	Mer	mor	a.	0.000	S	ale.			Pr			IGA HERLA	Loss	e
Mar. 27 8														ď.
April 3														'n.
10	473	. 6	2	*****	926	0	0	er neisk ()	T de	-			810 6	15
17	490	4	0	*****	1783	7.	0	****	401	6	6	*****	UI acres	
stiller, values	Possi	11		n sett i				s	610			-tudii	Sand	
A Note	Otal											Condition in	A be we	

Total sale in the four weeks amounted to 740 cargas, average price, 86½ per carga.

BOLANOS MINES.—Sar Faarcisco De Paula Mise.—March 12.—There is nothing new to advise in this mine. We look now daily to cut the lode in our 4th crossest: The buseonse have been raising about 100 to 130 cargas weekly of very good ores, and this without working in the bottoms of 80. 3 level, which are full of water.

April 10.—The 4th cross-ent is now ackeased 12 varsas from the shaft, without having cut any wall of a velix. The workings of the buscones have lately become very poor; and is order to estimate a greater extraction, by inducing them to work on the neartow velue, I have again to assess the particle from one-fourth to son-chird, with the understanding, have again to be such the particle from one-fourth to son-chird, with the understanding, hoursender it at once. This will now be veen the bottoms of No. 3 level, are card drained. The cast and of the 1st lost, on be when the bottoms of No. 3 level, are traderic assessment of the set lost, on a level, came upon a cross lood with its indexife cast—probably, San Francheso lode.

And the promising the activation of this tode (the 1st lode), and the great number of veins and branches contained in it.

April 46.—Yesterday the 4th cross-cut can too the wall of a vale, which has let out a beavy feed of water.

this lode (the 1st lode), and the great number of veins and branches colitained in it.

April 16.—Yesterday the 4th cross-cat cat into the wall of a vain, which has let out a heavy food of water.

April 20.—A few stenes, which have fallen from the wall of the vein just cut, assay only 12 cas, per monton, but not more than a quarter of a vara has been opened into the vein, the men being employed in squaring their end. The winzes of No. 3 level, are drained, and will be ready to work upon next week. No more water appears in No. 3 level. or drained, and will be ready to work upon next week. No more water appears in No. 3 level, on seek the hanging wall of Mayorasyo lode, in the 64 vars level, has been completed, and the thread of ore there found narrow and paor; an end has been opened upon it this week, and 4 have still hopes that it will improve. The nexts end of Mayorasyo levst, which during the last month had fallen off a good deal, has since last week recovered its character, and the ore is even wider than we have seen it before, and of very rich quality. The north end of Entresuelo has broken into the winters such from the upper level, in the stopes of which good ore is still found, but the workings altoguther are much reduced from what they were, and we cannot at present raise 1000 cargas weekly, as before.

April 13.—The north and 64 vars level, on Mayorasyo lode, has advanced about 13 varas without any improvement. A winte from Entresuelo level has communicated with the above level, toding all its ore as it stink. The south cross-cut of Socalion has been resumed, with a view to leave no doubt about the existence, or non-existence, of the Mayorasyo lode, to the south of that of Celestina; no discovery has been made in it. The ore in the ends of Mayorasyo and Esteraucio has also fallen off of late, and the stopes have become exhausted—so that, instead of 30 paradas do buses as formerly, we now have apper ends on the same lode (Mayorasyo) have improved. The discovery of ore in the lower level is very salisfac

lower level is very satisfactory; and if it confinues to increase, the mine may still become of great value.

But Born Mink.—April 20.—The system established of paying the workmen at 5 reals per cargo, as I sativated you in my last, has now began to work with good effect; so that in the west entiting 57th March, the extraction was raised to 3056 cargos, and the extraction has not since fallen off. In the east end of Gusclaupe, at the end of last month, a "relia" of quartz crossed the lodd from north to south, and from thence the voin got so full of "bolass," that almost all the orea disappeared. Up to the present, very few ores have been extracted, and very little improvement is to be seen, although it seems that the "bolass" are getting less every day; and, by the end getting again into compast ground, no donle an improvement would be immediately seen; this cause has also refarred the driving. The west end of Guadalape, I am happy to inform you, has gone or improving, and at this present moment there are about 2 varas of very good ores in it. The sinking of the shaft of San Fernando has gone on very well, considering that the water has sugmented; the bottom of the shaft is now passing through numerous small voins of quartz, and every time one of them is cut there is a rush of water. Fearing that if the new cross-cut is delayed, it might be difficult to open at a deeper level, I have destantised to do at a 140 varas; and, if there is no is no impediment, this work will be began from next week, and as soon as it is driven 5 or 6 varas, the sinking of the about

ill be resumed.

Solement for April.—I beg to forward an extract from the account for the first three ceks (first week, profit, \$5908 31; second week, profit, \$5990 31; third week, hos, doop 04). The cost and returns for had week show a lone, but this arises from no silver a lone of the cost and returns for had week show a lone, but this arises from no silver aring been sent in from tile hacienda of Cinco Senerce, a librought two tories were weshed, was impossible to burn the silver in time. This week (ending 24th) will, no doubt, tow a very handsome profit, as I fully expect 600 montones to be washed.

in January.	ines and	I H	ani	endas in t	he Zuca	Hece	u Dia
Mines. San Clemente Mine	Dec	offt.	i,	Posts vol	Lo	95.	= 36
Malanoche	1749	0	7	*	(gu 5)		line i
San Rafuel	3084	-			7191	2	7
Loreto	0.17(1)	-	3		386	5	2
choi etreic oblamezat g al opi la scap	12,664	2	-	o fittaucia di Million	S7677	4	5
Daduct loss	7,677	100	4	Alleria y	(SPIJE)	949	dia.
Profit	4,986	ľ	W	(HEODED'S)	dans	100	tiligo:

taken sway. I am in great hopes of having seems new and good once at the west on A. referred to above. I am fully permeded, that a. degrees of permawance would seem he stamped or this asian, if more officitive arriveling operations were applied to it, and a stamped or this asian, if more officitive arriveling operations were applied to it, the mine have caused me great anxiety; a though a stamped or the control of the cont

The Alexander Harvey with 400 tons of copper ore, and the Michael Williams was of copper ore, and 4 tons of silver ore, have arrived at Swansea for the compe

tons of copper ore, and 4 tons of silver ore, have arrived at Swanses for the company.

PACHUCA MINES.—April 28.—But little alteration has taken place in the progress of the works during the month. I was underground through the mines on Friday last; and although I did not observe any decided improvement in the lodes, yet their general character is unaltered, and they are well deserving a further trial, particularly San Guillerno, where there is a great mass of vein, north and south of the shaft, still to be examined, which we purpose doing at the depth of 50 varas, and which will be reached in the course of a week or two more. At San Pedro, the lode is hard, and thinly spotted with ore, and, it would seem, must be followed to a greater depth. The workings in the west end of the shaft, above the 70 vara level, did not produce much ore, containing a ley that would pay for returning, and were, therefore, suspended. The operations will, for the present, be confined to three destajes—viz., San Guillermo and San Pedro shafts, and the 70 vara level, west of the latter. The weekly cost will, therefore, not exceed 5440.

BEAL DIST. MONTE MINES.—When the Masses, July Masses, July

pay for returning, and were, therefore, suspended. The operations will, for the present, be confined to three destains—viz., San Guillermo and San Pedro shafts, and the 70 vara level, west of the latter. The weekly cost will, therefore, not exceed \$14.0.

REAL DEL MONTE MINES.—Mineral del Monie, April 28.—The directors having decided on detaining the engine in England until they receive information of the remost of the blockade, and the existing impeditionats to its being brought up to the mines, it follows that we may not expect it until the early part of next year. In the measurine we shall do our best to continue the effectual working of the mines, afthough surrounded with difficulties, as will hereafter appear. The repairs of the bolier for heating the sail solution in M. Spangenborg's process have been delayed longer than expected, in consequence of the artizana being engaged about other work. It is now completed, and the process again in operation, and Mr. Flotrouski speaks rather favourably of it.

Mines.—The San Guillermo winze below the Arisdero on the Santa Brigida vein reached the level of the water at 17½ varas below; the sinking has, therefore, been temporally interrupted, and the barreteros are now employed stopling the ground north and south, which produced in the last five weeks 79 cargas of smelling ore, containing permine assay 96 marx and 270 cargas of asogue, or 14 mars per monton. The vein is 1½ vara wide, of a promising character, and likely to turn out a large quantity of asogue, with occasional hunches of smelling ore. In order to draw off the water we have resumed driving the San Andres lovel, which is 17 varas deeper, and which will probably affect the object in a few weeks. The 157 vara upper level, east of shaft, on the Tapons veic in anoth ago, which, I require the shores, and base fair to continue. In the San Fablo winze, anking below the Santiar to the one met with about a month ago, which, I require the subores, and that fair to continue. In the san headen can be a second our pro

UNITED MEXICAN MINES.—Gadangualo, April 23.—Mine of Royas.—My report on this mine on the present occasion mast, I regret to say, be a continuance of the late unsatisfactory accounts. The hacionda ores have decreased both in quantity and quality. The half sales with buscones, however, show an increase in the month of \$1530.5; We are now gradually gaining on the water at the rate of about a wara per week, and hope to extract better ore as we succeed in clearing the mine. I enclose Mr. Glennie's report, dared 23d inst.:—

weeks ending	onuti-		Picked	Ore	18.	 1.00 (100) 2.10 (100) 	Outla	v.		
March 20 Cs. April 17										
one of die acetes Co	327		81530	5	0	1.3	8 1253	3	7	Ģ
THE PERSONNEL PROPERTY AND ASSESSED.	OFFICE	Note that the second se	Imor	nach	603		Theore	200	3 E	

Decrease,

Quickaitser.—I have none of this article now in store; I must, therefore, await the return of the quickaitser employed at the haciendas, and go on with it till it is exhausted, if I do not previously receive some from England.—W. HEATH.

The following is a report on the state of the workings of the Mine of Rayas:—

April 22.—La Pu 22.—La Purisima.—No elteration has taken place in the system of work ea ome time past in this part of the mine. The product is inconsiderable in a left tor inconsiderable in a

April 22.—La Purisins.—No alteration has taken place in the system of work carried on for some time past in this part of the mine. The produce Inconsiderable in quantity and of low by.

Sen Lorento.—The extraction of ones thering the last mouth has been principally from the morth-west side of these old workings, without any improvement having been observed in the lode, which is of great breasth, with the ore spread in small bunches of the more common classes, over the whole extent of the working. In the upper part of the more common classes, over the whole extent of the working. In the upper part of the pit of Santa Martha, some few bunches of rich ore have been met with, which have produced a small portion of the amelting class. It appears that this greater part of this kind of ore has now been extracted; and what remains to be thrown down is of an inferior quality. A dry wall having been raised from these two points towards the higher part of San Lorenas, some better over than those of the general extraction, from the north-west side are new found against the upper part of the lode. The pit of Animas is yielding a small quantity of six or in threads and bunches; in the centre of the spit, a had of ore of good quality had been inid open during the last week. Ten pairs of barmen are employed in San Lorenzo and Animas by day, and an equid number by night.

San Capsions.—From the varieus points of the pit of San Pablo, some rish oves have been extracted in small quantity, and is earges of the best quality have been sent to the hadenda of Barrera for concentration, and the smalling of the richer portion. The pillar of manonry in San Francisco has been shallowed, and a cry wall is being raised with all practicables expedition in the pit of San Pablo, which will facilitate a further extraction of the same class of ore, as wellast those of the common classes. The point in the higher part of San Cayetanale yielding a fair quantity of good ores, but the part of the Jode from which these ores are precured is now very mu

San Mignel.—There are sepressed four points among the old works the mine, that are producing a fair quantity of ore, which is found in bumches, completely ramified in all directions, and outfort to the mean stantly observed in this division of the lode. The best point is a pill gradually extracted, proper security being given by the day walls to the lode. Thirteen pairs of burnens are employed by day, and an equa Santa Farision.—141 varues have been driven in this level since the lade has become more compact, and the price paid has emanquently per vars. There is nothing particular to remark on the present occas any of the points worked on joint account by buscomes. A small reason of the points worked on joint account by buscomes. A small incovered all varues in four weaks, and it is now seconding less extend lowered. Three or four nights in the work, an additional malacette lay is regulated by the number required by the fact account the great shade.—G. R. Gistirair.

ST. JOHN DEL REY MINING COMPANY.

The seventeenth annual general meeting of proprietors was held, at the company's office, on Friday, the 11th inst.

After the usual preliminaries, the following report was read:

The directors have now to lay before the proprietors a report of the proceedings of the ast year. The directors, on the 30th November last, declared a minth half-yearly divined, being 10s, per share, payable on the 5th January, and issued the following circular a the occasion :—

n the occasion :
"No. 30, 1846.—The directors have this day declared the ninth half-yearly dividendeing 10s, per share, payable on the 5th day of January next.

"The grees amount of produce at Morro Vello, for the six anonias ending 31st August
six, has been as follows:March, 4896.'.; April, 5012.'.; May, 5049.'.; June, 4056.'.; July, 4390.'.;
Aug, 4247.

Expenditure for the said six months.

E20,319
Duty.—5 per cent. at the mine; 2 per cent. on exportation

Railway debentures 5000
Bill receivable 5000
Bill receivable 5001
Brazil, part of the August produce coming by the packet due 7700—£18,548
In January
Deduct—Drafts running from Brazil £8530
Brazilian Company's draft, due Dec. 12, on account of stores 71560—10,699—5449
machinery, &c. purchased from them 1600—10,699—5449
In Bruzil, the amount of funds in the managers' hands, at the 7500 by might be 1600—10,690—75335
Owing in Brazil. 4075
Less part thereof paid here 1405 £6854

-Capital stock.....

Bills payable.....

Profit and loss

Proprietors of forfeli
Dividends unpaid
Unpaid accounts ...

Suspense account...

Statement of Receipts and Expenditure, from the 11th June, 1846, to the 31st May, 1847.

EXPENDITURE.

The report and accounts, which appeared to give perfect satisfaction to the shareholders present, were unanimously adopted; and thanks having been voted to the chairman and directors, the meeting adjourned.

UNITED HILLS MINING COMPANY.

UNITED HILLS MINING COMPANY.

The annual general meeting of adventurers in this company was held at the offices, Adam's-court, Oil Bread-street, on Thumsky last, the 10th mst.

R. CLARKE, ERJ, in the chair.

Mr. SEITH (the secretary) having result the advertisement convening the meeting, the Giransax, in a few preliminary observations, remarked, that he was sony to say, the mine was in a worse nate than at their last meeting. This was not owing to any falling off in the produce or value of the lodes; but the adjoining mine of South Wheal. Towan having been suspended, the water had flowed in to the United Hills Mine, and deluged the 80 and 90 fm. levels, which, being the most productive in the mine, had caused a great falling off in the return of ore. The underground agents had sent a most gloomy report—much more so than the University of the state of the case deserved; and he was happy to say, that Capt. Richards, being in London when the report arrived, was surprised at its tenor, and had written a supplementary report, which would be rained from these levels to would be rained from these levels to pay for their grotential of the water, and prosecute the 80 and 90 fm. levels for two or meeting of the continuance of the working, or of stopping the mine, and there was an odoubt sufficient one would be rained from these levels to pay for their grotecution—The Stomarkary then read the report of the underground captains, which, after explaining the appearances of the several indee, which may be galaced from the last few weeks' reports, stated the fact of the South Towan water having drowned the lower levels, which had thrown a wast dead of extra work upon the engine—in consequence of which, continual breakages took lace, and they were obliged to remain idd while underging repair. The supplementary report of Capt. W. Richards was more cheering; in it he stated had had been at home, he should not have suffered so gloomy a report to be fewwarfed. With a new boiler, he had no doubt they could keep the water of the men

saterials confidence in the zeal ar d addity of the parties at the mines; but, in case of difficulty, it is but an act of prudence to seek further and other advice.

From the statement of accounts, it appeared that the receipts from June, 1846, to end of April last, had been 14,242. 2a, and expenditure 16,572. 8a. 7d., showing a loss on the mine of 2330. 6a. 7d.

Mr. Williams, from Cornwall, one of the directors, said, himself and colleagues had well considered what steps were best to be taken, and they recommended to adjourn to the 12th of Augustnexk. If during that time they found they could not keep the water, they should recommend a stoppage of the mine. The season, however, was the most favourable; and he had no doubt they should be able to prosecute the lower levels, and by that date be in a position to recommend to the abareholders the best steps to be taken. Should they decide upon a continuance, they would then have ample time to arrange about any additional machinery which might be required before the winter set in. He thought it requisite that an independent agent should inspect the mine when the water was forked, and he should name Capt. John Richards, of the Great Consolidated Mines.—This arrangement appeared to give entire satisfaction.—The report and accounts were then adopted, and resolutions passed, authorising the directors to take such measures for prosecuting the researches of the mine, with a view to enable them to recommend its further prosecution, or a suspension of the workings.—The meeting was adjourned to the 12th August next; and thanks having been voted to the chairman, the parties separated.

WHEAL SOPHIA MINING COMPANY.

The first general meeting of the adventurers in this mine was held at the heal Catherine Inn, St. James's-street, on Monday, the 7th inst.

THOMAS ANWYLL, Esq., in the chair.

The Chairman, in opening the proceedings of the meeting, observed, that many—or indeed a large majority—of the adventurers in the mine were resident in Londen; and hence a requisition had been signed, calling the present neeting—this being the first special meeting—while others had been held in Cornwall, in accordance with the rules by which the company was governed. The first object which appeared to him desirable to be accomplished was, the appointment of two auditors to examine the accounts and vouchers, when accounts having been audited (which operation occupied above an hour), were eported as correct.

Having discussed the report of the auditors, the meeting proceeded to consi-

ordingly Messrs. Phipps and Barringer were appointed as auditors, outs having been audited (which operation occupied above an hour), were reported as correct.

Having discussed the report of the auditors, the meeting proceeded to consiser the terms of the lease, which contained the usual clauses—the term being 1 years, at 1-14th dues.

Capt. LUKE having been called upon to report upon the present state of the nine and its prospects, as also the proposed workings, he stated that, in sinking the shaft 50 fms., they would intersect three lodes—one underlaying south, and two with a north underlay; the shaft was down 6 fms, and, on being put own to the 20, he proposed to drive out, to take the south underlayer, by a ross-cut of about 10 fms.; and by an equal distance in the opposite direction, se believed the other two lodes would be intersected. An adit level was being triven on one of the lodes at about 20 fms. from surface at the present end, shich was opposite Boundy's shaft, from which a cross-cut might be put out at 0 fms; this level had been driven 77 fms, but which would be required to a further driven 120 fms, so as to take the east and west lode, which formed caunter, where it would, however, come in at about 40 fms. The main lodes an south-east and north-west. He (Capt. Luke) referred to the specimens abmitted to the needing, which, we may observe, were certainly of a promising character, although no ore had been raised for sampling. The country, he had changed very materially, and had become far more congenial for

submitted to the meeting, which, we may observe, were certainly of a promising character, although no ore had been raised for sampling. The country, he observed, had changed very materially, and had become far more congenial for ore. He thought that, by sinking the shaft, putting out the cross-cuts, as proposed, and continuing the level, that but little doubt could be entertained as to the result.

A resolution to the effect, that a meeting should be held in the month of June in every year, in London, when the reports and accounts should be presented, was submitted and passed. It is a pity resolutions of this nature are not conveyed, through the medium of the Journal, in an official form, and which we think, indeed, only due to the absent adventurer. It was resolved, that the rilles under which the company is constituted and entered in the cost-book, should be printed and forwarded to the soveral shareholders; whereupon it was suggested, that the last resolution, directing that an annual meeting should be held in London, should be included therein.

Mr. WAED, as pursor, begged to state, that he must object to any such resolutions being embodied in the rules or conditions entered in the cost-book; he considered that the rules accented were binding and conclusive on the adventurers, and could not be interfered with or altered. He, as pursor, would readily act in accordance with the washes of the adventurers; but he must contend against any addition to the rules, as originally agreed upon and entered in the cost-book.

A very lengthened discussion ensued, in the course of which Mr. H. Esolusis expressed the opinion he entertained of the Cost-book System, and its merits, which he considered would be decried, if that Mr. Ward was allowed to carry his views.

Mr. W. Sarata, on being applied to for his opinion, expressed his concurrence

rers was held, pursuant to circular, at the eral meeting of adventinabury-square, on F RICHARD on, Eaq., in the ch

The circular convening the meeting having been read, the CLERE procto read the following report, with the accounts of the company, made and inclusive of April cost, with the reports of the agents, which will be embodied under the head of Mining Correspondence.

embodied under the head of Mining Correspondence.

Dancorosa' areour.

The directors have much pleasure in calling you together at this he second annual general meeting, to lay before you the accounts for the past 12 months, which have been audited by Mesars. Goodhart and Smith—two shareholders holding a considerable interest in the mine. A report of great interest from the two agents of the mine, Capts. Richards and Eddy, will be read. Mr. Johnson has also recently xisised the property, and will submit his written report to you. The chairman (Mr. Hodgson), who has very recently been on the mine, will be happy in answering any questions explanatory of the operations and prospects. You will observe, that the accounts are brought up to the end of March, including the cost for that month, and show against the mine a balance of 16762; to which add cost for April, 384.—in all, 30602, which will be absorbed by the following items:—to be received for second call, 804; third ditto, 1524; and on fourth call, 3484.—making in all, 27164; to which is to be added, its sold this day, 2204; and silver for sale, 534.—together, 29562; if to that be added five tone of in for sale, (asy) 2154, such would leave to the credit of the mine the sum of 11500.

Mr. P. N. Jourseou, at the request of the chairman, then read a report by

Mr. P. N. JOHNSON, at the request of the chairman, then read a report he had prepared to submit to the meeting, of which the following is a copy:

London, June 11th, 1847.—Your residest agent has given a detailed report of our operations for the last twelve months. I will, therefore, confine my observations to stating, that, with a view to economise the fands of the company. I have endoavoured to give instructions for the prosecution, in proportion to the prospects developed in the workings underground, and reduced the monthly cost of the mine is every way consistent with the effectual trial of the two principal lodes in the sett—namely, the Wheal Prosper tin, and Wheal Brothers sitver lodes. In this former, finding the lode was of a hard nature in the ground worked by the former adventurers, I suspended driving such ends as were not opening its ground, which could be worked on tribute to advantage, and confined the operations on tutwork to sinking the shaft for a 50 fm. level, which, from the alteration in the ground becoming much softer, hold out encouraging prospects. I am happy to say, that this morning's post has brought me the news of the lode being cut at it this level, but not yet sufficiently seen to state its productiveness, although the indications are very encouraging. I have also been very careful in only ordering setting such ground on tribute, as would leave a profit to the adventurers, and we have now 25 men engaged in so doing. On the aliver lode much has had to be done in securing the old levels of the furner workers, and the ends driven some vay, in order to prove their character. Some of these have been suspended, from not proving productive, and our operations are now confined to driving the 10 fm. level east, and 30 fm. level west, both of which are producing silver—the former with good indications of opening silver ground, and the laster to get under a shoot of silver ground in the 26 fm. level, and from which good argentiferous goessan has been rated, but which cannot be sank deeper, wit

owing is a statement of the accounts laid before the me

Expenditure and Receipts during the past Treeles Months.

Expenditure, April to March, 1847, inclusive £4767 1 5 £7163 0 9 On second inst Third ditto ... Fourth ditto ... Tin sold Silver sold ... £2123 0 0 2408 0 0 0 76 0 0 -4607 0 0 641 9 8 237 12 2-5486 1 10

of forfeiture—one or other was the duty of the directors or committee, and ne should, for one, readily give them his vote and support; indeed, he had prepared a resolution to such effect, which he should submit to the meeting at an after period.

Mr. JAMES concurred in the view entertained by the last speaker, and considered that certain parties, whom he named, should at once either pay their calls, or have their shares forfeited; or, indeed, he, for one, thought they ought to be proceeded against, and their calls enforced.

Mr. P. N. JOHNSON, with reference to the report read by him, expressed the opinion he entertained of the sett, and of the immediate district, which he might observe that the silver district, so far as it had been demonstrated in Wheal Brothers or Wheal Prosper Mire, had been secured by the company. At Onke' shaft he had himself taken pretty samples of silver, but they could not go down for water; however, they were bringing up Wheal Brothers dep adit, which would come in at 15 to 20 fathoms depth. He (Mr. J.) had known an instance of some 3000L worth of silver ore being raised in the working of two or three days; and although he would not say such might be the results of their enterprise, yet, from the encouragement afforded them by indications, on which alone others had operated, he entertained little or no doubt as to the results; it was, however, a lottery he would admit, as the chairman had very properly said—at the same time be could not but say, that he contemplated securing theprise. As regards the tin lode, he could only observe, that they could have returned more tinstuff, but avoided doing so without they could see a good profit; as regards the ide, which had been taken at the 50 fm. level, such could not be ascertained as to its size, 12 inches having been cut in without wall, and worked 10 inches only high, containing capel and peach. He felt it only due to state, that the discovery had only just been made, and the letter, from which he read an extract, had only been received by

could not then contemplate, that any further call would be required for the next 10 or 12 months. It further appeared, that the monthly cost was about 350L, which, assuming a loss of 100L per month beyond the returns of ore, would be met by the present capital, assuming the calls to be paid up, which, with a trifling exception, might be considered safe.

Mr. JOHNSON stated that, supposing the tin lode should be abandoned, which he would not, however, assume for one moment, the silver lode could then, in such case, be worked by water-wheel. As regards the tin lode, it was undermmed as to whether they should sink down to the 60 fm. level.

In the end, the reports of the directors, with those of the agents, were received and approved, as also the accounts; and thanks having been given to the chairman and auditors, &c., as appears by the resolutions in our advertising columns, the meeting separated.

CARN PERRAN.—A meeting of the advertisers were held at the mission.

CARN PERRAN .- A meeting of the adventurers was held at the mi

made: that the following adventurers form a committee, to determibilities, and to confer with Trenow adventurers on the subject—vi J.Kendall, jun., N. Harvey, and the purser; and as soon as the comma ascertained the exact amount of liability, they are authorised to em J. Richards, or some other competent person, to meet any person ap the Trenow adventurers, to value the property in both mines—seen a a meeting of the adventurers, in both mines, be called, to ascertain continue or relinquish their shares.

2155 15 5-2081 18 1 401 13 19-

Leaves a total of Leaves at the meeting of directors, on Wednesday last, they declared a dividend of it per abare, payable on the 23d inst, on which day the quarterly meeting will be held, of which notice has been duly given.

East Birch Ton.—At an adjourned meeting, held at Farley's, Golden Lion Inn, Plymouth—Mr. J. Orroon in the chair,—the accounts stated that the sale of tin since January, 1846, amounted to 7484, and that about 30t worth more was at grass, and that there was a balance of 180t against the adventurers. It was resolved, that 10s, per share be pand per month, for 24 months; that the new shall become liable for their proportion of the expenses of the mine (if any), after the expiration of the 24 months, and the expenditure of the 10s, per share above—mentioned. That Mr. J. Caspenter be appointed inspecting agent at 22 2s, per month, and that Mr. A. Rowe be appointed purser at a salary of 3t. 3s, per month.

of 3d 3s, per month.

SOUTH FRIENDAMP WHEAL ANNE.—At a general meeting of shareholders, duly convened, and held at the account-house, on Monday last—W. B. Cupliff, Eq., in the chair—a letter was read, which had been received by the purser, requesting the restoration to the defaulter of 50 shares, which had been declared forfeited at the last general meeting, in consequence of the non-payment of calls. It was, therefore, resolved—That the meeting being of opinion, that the 50 shares forfeited by ———— should be restored to him, under the power contained in the rules, upon his paying all the back calls due thereon; the purser be requested to convene a special meeting, to be held at the account-house, on Monday, the 21st of June, to consider the propriety of restoring such shares, upon the payment of such sum.—A further call of IL per share was made, to be paid within 21 days, when the meeting adjourned.

Wheal Comport.—A meeting of adventurers took place at the mine on Tuesday last, at which the following accounts were submitted and allowed, and the balance ordered to be divided and collected:—To ceats, &c., inclinding cost of new engine, from January ist to May 31st, 2248d, 12s. 11d.—By ores sold less dues), 1588d, 1s. 7d.: leaving balance of 710l. 11s. 4d.

Wheal Seron.—At the usual two-monthly meeting of adventurers, held at

cless dues), 1588. 1s. 7d.: leaving balance of 710l. 11s. 4d.

Wheal Seron.—At the usual two-monthly meeting of adventurers, held at the account-house, on Tuesday, the 8th of June, the following accounts were presented:—By balance at last meeting, 2036l. 2s.; ores sold (less dues), 4871l. 5s. 7d.; sale of materials, 7l. 12s. 6d. — 6915l. 0s. 1d.—To costs and merchants' bills for March and April, 3049l. 7s. 7d.; dividend of 20l. per share, 1980l.: leaving balance in hand of 1885l. 12s. 6d.—The accounts having been seen and examined, were allowed; it was received, that a dividend of 20l. per share be made and paid to the adventurers forthwith, and that the balance of 1885l. 12s. 6d, in favour of the adventurers, be carried to the eredit of the next account; that the next meeting be held on the mine, on Tuesday, the 10th day of August next.—[The agents' report will appear in our next.]

Minimo Meetinga.—The remainder of the meetings will be found on the 8th page.

MINING NOTABILIA.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

ASHBURTON.—The Whiddon Mines are still presenting very favourable indications of well repaying their lucky shareholders. The lodes of tin and copper recently discovered are big, and of very fine quality.

CLEVELAND.—I beg to advise you, that Cleveland is improving. The two lodes, in going west, form a junction, and improve in value as they advance, both ends being 3 ft. wide, producing saving work.

CONDURROW is still improving, having a lode in the back of the 50 fm. level worth 20l. a fm., and the end just beyond it exceedingly promising. Few sellers in the locality.

EAST WHEAL ROUGH TOR.—This extensive sett is situate in the parish of St. Cleather, and immediately adjoins the Great Wheal Rough Tor. The lodes of the Great Wheal Rough Tor have been cut to within a few fathoms of this sett, exhibiting extraordinary features of size and quality, being from 15 to 20 ft. in width, and composed of the richest gossans at surface, followed by floors of capels, thickly spotted with copper ore. All the lodes of the Great Wheal Rough Tor pass through the East Wheal Rough Tor; and as the ground declines to a deep valley, at the eastern boundary of the sett, the lodes can be opened upon by adits, and considerable backs obtained, by driving towards the workings on the lodes in the Great Wheal Rough Tor. The mine is divided in 2048 shares, and conducted upon the Cost-book System.

PLYMOUTH WHEAL YROLAND.—I was at Plymouth Wheal Kooland with Capt. Edwards yesterday, and in consequence of a little water being in the bottom of the shaft, the men were put to drive on the lode, and were bringing out splendid stones of tin—some of which I broke myself, and brought to surface, and were richer than any I have yet seen. The lode is about 3 ft. wide, and very good throughout.

Scilly.—A practical miner has been here from the neighbourhood of Penzance, who is said to have discovered a lode which has a very promising ap-

face, and were richer than any I have yet seen. The lode is about \$\mathbb{S}\tau\$ t. wide, and very good throughout.

Schlix.—A practical miner has been here from the neighbourhood of Penzance, who is said to have discovered a lode which has a very promising appearance, a great quantity of mundic being found, also some copper and tin.

Wheat Aarox.—This mine is situate in the estate of Little Collan, in a parish of the same name; it is about 4 miles from \$\mathbb{S}\tau\$ (Columb Major, and 2\pmiles from \$\mathbb{S}\tau\$) (Columb Major, and 2\pmiles from \$\mathbb{S}\tau\$) (Columb Major, and 2\pmiles miles from \$\mathbb{S}\tau\$) (Columb Major, and 2\pmiles from \$\mathbb{S}\tau\$) (Columb Major, and 2\mathbb{S}\tau\$) (Columb Major, and 2\mathbb{S}\tau\$) (Columb Major, and 2\mathbb{S}\tau\$) (Columb Major, and 2\mathbb certained whether it is the same lode or not, as it assumes a very kindly appearance, and there has been several other lodes seen on the backs, in all of which there is mineral. Oh the south part of the set the adit will be from 30 to 40 fms. deep, present depth from the surface 14 or 15 fms. The sett is nearly half a square mile, and it is calculated by almost all who have seen it, that, by a moderate outley, it will make, a fourishing mine—it is working on the old Cost-book Principle, and now in 140 shares

Cost-book Principle, and now in 140 shares.

Wheal Foregacus.—This sett is an extensive one, although this is not generally known to be the case, and so situated as to be exceedingly valuable, if either of the adjoining mines—viz.: Wheal Williams, Lamberoos, or West Wheal Maria—should cut a good course of ore in a favourable position relative to it. The pertion of ground, however, through which the Maria lode passes, is comparatively small, perhaps 40 or 50 fms. wide; yet this limited shoot alone would return handsome dividends, if it should prove to be as rich as the 40 fm. level, coming westward from Wheal Maria, computed to be worth 500, per fm. by the report, the end of which level is only a moderate distance from the Fortescue boundary. The capel Tor lode is a parallel lode, further north, partially tried several years since, concerning which report state that a few tribute pitches might even now be act, if the water was forked. It seems, therefore, to be a reasonable suggestion, that further inquiries should be made respecting it. Expectation is on tiptoe, for important discoveries to be made in some of the neighbouring mines.

A valuable gold watch, with massive gold guard chain, was lately presented.

A valuable gold watch, with massive gold guard chain, was lately presented to Mr. Strong, of Weardale. On the watch was engraved the following inscription:—"Presented to James Strong, Eq., engineer, as a tribute of respect, for the valuable discoveries of iron ores that he has made in Weardale."—

Current Prices of Stocks, Shares, & Metals.

STOCK EXCHANGE, Ba

-We have had but very little improved

Menus.—We have had but very little improvement in the mining share market this week, although there is no searcity of buyers at lower quotations. Reports from the mines, received this week, are generally of a favourable character—in several instances, of great improvement—and advances of price has been the result. Shares in the following mines have been transacted since our last—viz.: Stray Park, West Wheal Maria, St. Michael Penkivel, Exmoor Eliza, Plymouth Wheal Ycoland, Pennant, Dartmoor Consols, Franco, Callington, Wheal Providence, Wheal Mary Ann, Davon and Courtenay, Alfred Consols, North Roskear, Fortescue, Trehane, Birch Tor, Coatlith Hills, &c.

West Wheal Maria improved upon last week's quotations during the early part of the week; since they have been done at less.

Wheal Franco have been in demand, and several transactions have taken place, in consequence of a dividend to be declared at the next meeting, when a considerable balance will be left in the bankers' hands. We are pleased to find this mine is about accomplishing what the enterprising adventurers have anticipated for years, through difficulties and obstacles.

In Plymouth Wheal Ycoland they have a fine course of tin, which has been ascertained to continue in depth, as far as they can sink for water, and is estimated worth from 1604 to 1704, per fm. A grant, we learn, has been obtained for the adventurers of the set east, immediately adjoining and near the present discovery, through the indefatigable exertions of Mr. J. E. Square, one of the adventurers of the set east, immediately adjoining and near the present discovery, through the indefatigable exertions of Mr. J. E. Square, one of the adventurers whose disinterestedness in the matter will not go unrewarded, as we hear the directors, at their weekly meeting on Wednesday last, declared their fifth dividend of 14, per share, made payable by the 23d and succeeding Wednesday. By the accounts furnished, we find, after payment of dividend of 10001, they will have a reserved fund of 4674.

Whea

RAILWAYS.—At the commencement of the week, prices were decidedly less favourable than at the time of publication of our last Number—suffering doubtless from the depreciation in the value of consols, and the advancing tendency of the corn market. Although some slight reaction took place during the week, the share market generally may be stated to have been dull, and very little alteration has taken place in the prices of any shares. The fluctuations of the share market appear to follow close on the change in the quotations of consols.

MEETINGS.—DUNDES AND ARROATH: half-yearly meeting; a dividend of 4 per cent. for the half-year was declared.—North Kent: a meeting for winding ap; after retaining a balance sufficient to cover all liabilities, there was 6a. 3d. per share payable on the 11th instant.

At Messrs. Lamond's sale, both Tuesday and Friday, prices were somewhat better that the corresponding period of the provious week, and business was decidedly of a firm

character.

HULL, THURDAY.—The markets have fluctuated since our last. On Saturday, notwithstanding the firmer tone of the London and Wakefield corn market on the previous
day (Friday), prices were well maintained; but the decided advance in wheat on Monday,
in Hark-lane, had the effect of depressing our market yesterday to some extent. Today less disposition is shown to sell, but the price of corn is the chief regulator of the
share market just now, and will continue so for some time. A petition against Mr. Strutt's
Rallway Financial Interference Bill has been unanimously signedtte-day, and will be found
on the Stock Exchange to-morrow. The petitioners invite Government interference so
far as the prevention of accidents is concerned. This should be clearly understood, as it
is the principle of meddling with private enterprise that they alone deprecate.

ÇP

1

From these returns, it will be seen, that the amount of traffic for the last week, on nearly 250 miles of railway, was 190,7750., thus accounted for:—107,864. for the conveyance of passengers only, 40,482, for the carriage of goods, and a remainder of 42,569. for passengers and goods together, not respectively apportioned; being an increase over the corresponding week of last year of 38,2071, when the mileage was about 2,292.

Name of Railway.	Lgth.	Present ac-	Last Div.	Traffic Returns.			
spice southern rule for an embrace	10000	Tital Cost.	DAY.	1011	1030		
Arbroath and Forfst	15	£142,900	3 p.e.	£ 252 0 0	£ 216		
Chester and Birkenhead	15	658,293		761 0 0	785		
Dublin and Drogheda	35	689,248	24	876 0 0	913		
Dublin and Kingstown	6	349,736	9	1090 16 4	1383		
Dandee and Arbroath	161	156,323	6	349 0 0	295		
East Lancashire	28	814,417	Contract of	1048 0 0	-		
Eastern Counties	1847	6,513,026	GAO.	11597 12 8	10006		
Eastern Union	17	227,253	of palvers.	1402 0 0	-		
Edinburgh and Glasgow		2,112,136	. 6	3336 0 11	3515		
Glasgow, Paisley, and Ayr	53	1,567,281	7	2661 0 0	2309		
Glasgow, Paisley, & Greenock	23	835,918	10210	1171 0 0	1130		
Great Southern and Western	56è	1,343,718	_	1330 0 0	-		
Great Western	241	9,714,939		23391 0 0	21793		
Ipswich and Bury	268	303,768	18/3/37	20001			
London and North Western		18,042,004	10	45994 0 0	47900		
London and Blackwall	4	1,102,717	14	1343 0 0	1659		
London, Brighton, & South Coast	112	5,109,667	CAR	8164 0 0	6498		
London and South-Western	197	4,278,789	0.0	9419 10 74	8610		
Manchester & Leeds	1174	5,036,391	54	9084 0 0	7608		
Manchester, Sheffield, & Lincolnsh.		1,678,108	5	2248 0 0	3509		
Midland Company	2294	7,862,274	10,000	20097 0 0	19747		
Newcastle and Berwick	9	1,184,079	. 6	927 0 0			
Mewcastle and Carlisle	65	1,184,080	A	2289 0 0	1831		
Norfolk	704	1,199,689	700	2068 0 0	1603		
North British	724	1,459,956	March 31	1743 0 0	2000		
Preston and Wyre	30	432,014	24	1140 0 0	1245		
Shrewsbury and Chester	15	354,945	Detail.	382 0 0	1244		
South Devon	20	1,061,283	Section.	1231 0 0	1244		
South-Eastern	1481	5,686,411	34	8715 15 3	10483		
raff Vale	304	888,411	64	1422 0 0	1422		
Olster	25	358,353	550	796 0 0	598		
York and Newcastle	1834	1,712,317		7774 0 0	7069		
York and North Midlend	1624	2,483,256	10	6311 0 0	5618		

FRICE OF COAL MARKET, LONDON.

FRICE OF COALS PER TOW AT THE CLOSE OF THE MARKET.

MONDAY.—Admir's Main 14 6—Carr's Hartley 16—Chester Main 14 3—Davison's West Hartley 16—Desar's Princes 14—Delayal Hartley 14—Dipton Tannichl 14 6—Hastlang's Hartley 16—Holywell Main 16 6—Nelson's West Hartley 16—New Tannichl 15 3—Orl's Recheugh 11 6—Ravensworth's West Hartley 16—New Tannichl Tannichl 14 9—Tannichl Moor 17 6—West Hartley 16—Wylsm 15 3—Wall's End Brown's Gas 13 6

Hebburn 14 6—Haswell 17 3—Hetton 17 3—Lambton 16 9—Russell's Hetton 17—East Hetton 14 6—Haswell 17 3—Hetton 17 3—Lambton 16 9—Russell's Hetton 16 9—Stewart's 17—Husson's Hartleyolo! 15 3—High Thornley 14 3—Adelaide 16 3—Symout Tees 13—Tees 16 9—Whitworth 14—Derwantwater Hartley 16—Howard's West Hartley Metherion 16—Sidney's Hartley 16—Ships at market, 145.

WEDNESDAY.—Adail's Main 14 6—Carr's Hartley 16—Hosset Main 15—Davison's

Hartley Netherion 16 - Sidney's Hartley 16. - Ships at market, 145.

WEDNESDAY. - Adair's Main 14 6 - Carr's Hartley 16 - Chester Main 15 - Davison's West Hartley 16 - Delaval Hartley 14 6 - Dipton Tanfield 15 - Hasting's Hartley 16 - Holywell Main 16 6 - New Tanfield 15 - G-Cre's Redheugh 15 - Ravensworth's West Hartley 16 - Wylam 16 2 - Zoon Main 16 - Derwentwater Hartley 16 - Howard's West Hartley 16 - Wylam 16 2 - Zoon Main 16 - Derwentwater Hartley 16 - Howard's West Hartley 16 - Wylam 16 3 - Red Hillingworth 14 6 - Beat Hetton 15 - Heaven's Gas Far Clennell 14 6 - Bradyll's Hetton 17 6 - Bell 16 - East Hetton 15 - High Thorney 15 - Heugh Hall 15 3 - Kelloo 17 3 - Tees 17 6 - West Tees 14 6 - Ships at market, 98; sold, 65; unsold, 33. FRIDAT, - Adair's Main 15 - Buddie's West Hartley 16 - Garr's Hartley 16 6 - Chec's Main 16 - Delaval Hartley 15 - Dipton Tanfield 16 - Hastling's Hartley 16 6 - Holy Main 17 - New Tanfield 16 - Ord's Redheugh 15 3 - Staney Tanfield 15 - Fornier 16 - West Hartley 16 6 - Eden Main 16 - Derventwater Hartley 16 - Wall's End Brown's Gas 14 6 - Heugh 15 6 - When 15 6 - Whartleff 16 6 - Flody Main 17 6 - West 17 5 6 - Whartleff 16 6 - Flody Hell 18 - Heugh 18 3 - Hetton 18 - Lambton 17 8 - Shotton 17 6 - Stewart's 18 - High Thornley 16 - Heugh Hall 17 6 - Adeide 17 6 - Fees 18 - Ships at market, 49; sold, 24; unsold, 18.

R. Clark. West Strand, lamp manufacturer, for certain improvements in the production of artificial light, and in burners, lamps, and candlesticks.

5. Ellen, Grance-road, Bornondsey, gentleman, for improvements in the manufacture of both nide leather and other oldel carhers.

C. Jarrard, Leiccuter, machinist, for improvements in machinery for cutting wood for the manufacture of bothins and other articles.

W. Darling, Glasgow, Scotland, frommonger, for improvements in moulding, and in the manufacture of certain articles act cast-free.

B. Axulsy, Botherthie, Survey, printer, and A. Solomons, of the city of London, merchant, for certain improvements in the manufacture of charcoal and other fuel.

H. Cox, Chapel-Alex, Sutternes-fields, for improvements in preserving and preparing of wood, bricks, tiles, and other substances.— Mechanics Magazine.

PRICES OF MINING SHARES

BRITISH MINES.	BRITISH MINES—continued.	
Shares. Company. Pakl. Pri	Company Paid Price	ı
512 Albert Consols 1 2	80 South Towan 10 11	I
230 Andrew and Nanglies 284 16	uth Yeoland 16 . 20	I
10000 Ayrshire Iron Company 24. 2 4 1624 Balleswidden 9 18	128 South Wheat Basset 110 75	l
128 Balnoon Consols 25 25	256 South Wh. Hope 5	ł
1000 Barristown 41. 18	286 South Wheal Rose 114. 1	l
128 Besore Lead Mine 14 10	280 Spearne Moor 30 40	ŀ
8000 Bluenavon 50 30	94 St. Ives Consols 320	l
130 Brewer	1000 Stray Park 43 . 29	ŀ
Ditto ditto, scrip 10 19	1000 Stray Park	ŀ
- Ditto ditto, scrip 10 19 128 Budnick Consols 524 40 128 Burthy 20 21 100 Bwlch Cwmerfin 20 -	6000 Tincroft	
100 Bwich Cwinerfin 20 — 128 Callestock 17 50	0000 Tincroft	
106 Callestock 17 60 1000 Callington 19 29 256 Caradon Consols 47 34 206 Caradon Copper Mine 94 1 256 Caradon Mines 224 17	256 Tresavean 10 250 2	P
256 Caradon Copper Mine 94. 1	256 Trenow Consols 30 25	
084 0 1 1971 18		
1000 Carn Bres 15 100	120 Treviskey and Barrier 130 160 256 Trewollack 20 20 128 Trewellard 12 266 6000 United Hills 5 4 100 United Mines 300 400	
112 Charlestown200 100	128 Trewellard 12 264 6000 United Hills 5 . 4	
166 Cleveland	100 United Mines 300 400	
1000 Carn Brea 15 100 1000 Carn Brea 15 100 1000 Carn Brea 15 100	256 Wellington Mines 15 30 128 West Basset 45 25	
256 Condurrow 20 30	128 West Caradon 20 168	
5000 Coombe Valley Quarry 1 14	128 West Bisset. 45 25 256 West Caradon. 90 168 128 West Cargoll 9 12 12 12 West Fowey Consols 40 15 256 West Grambler 7 8 West Kekewich Consols 3 36 West Kekewich Consols 3 3 3 3 3 3 3 3 3	
1000 Copper Betton 1 5		
240 Craddock Moor 15 15 126 Creeg Braws	200 West Seton 40 . 70	
500 Comblawn	120 West Trethellan	1
1000 Derwent 81 8	256 West Wh. Friendship. 74. 4 3845 West Wheal Jewel 11 24	
1900 Dhurode 2 5	2560 West Wh. Maris 14 14 14 256 West Wheal Shapherd. 3 24	
186 Dolcoath	256 West Wheal Shepherd. 5	
256 East Alvenney 3 10	5200 Wicklow Copper 5 12	
2048 East Crowndale 42 42	184 Wheal Adams 41 10 1000 Wheal Agar 8	
123 East Combe Silver-Lead 64. 61 123 East Pool 5 20	128 Wheal Acland 13 . 2	
100 East Relistian 22 40 5000 East Tamar Consols 1‡ 2	256 Wheal Allen 2 5 237 Wheal Anderton 164 26	
186 Dolcoath 30 80	184 Wheal Adams	
256 East Wheal Fortune 2 3 128 East Wheal Rose 501400	1024 Wheal Ash	
2048 East Wh. Rough Tor 2	256 Wheal Barbara 3	
123 East Wheal Seton 14 20	256 Wheal Blencowe 8 121 256 Wheal Bucketts 20 22	
512 Fowey Consols 40 45 20000 Galvanised Iron Co 10 9	256 Wheal Byon Consols.	
10000 Gen.Mining Co.for Irel. 2 11	256 Wheal Calstock 3 4 136 Wheal Clifford 190 190 1024 Wheal Concord 62 14	
512 Fowey Consols 40 45 20000 Gulvantsed Iron Co 10 95 10000 Gen.Mining Co.for Irel: 2 1 2048 Georgia Tin Mines 12 12 256 Gonunena 312 70	128 Wheal Courtenay 20	
244 Grander & St Auben - 90	1 200 WINCOM DYRUCON 13 10	
100 Great Consols 1000 . 400 256 Great Callestick Moors 22 . 25 2560 Great Michell Consols 1 1 . 4 256 Great Resugga Moor . 2 . 4 512 Gr. Wh. Rough Tor Con . 6 3 . 38	256 Wheal Fortuse Consols 31. 61	
2560 Great Michell Consols 11 4 256 Great Resugga Moor 2 4	2048 Wheal Frederick 2 2 388 Wheal Franco 27 40	
812 Gt. Wh. Rough Tor Con. 64 38 1500 Great South Tolgus 2 2 100 Grogwinion 5	2018 Wheal Fortune Consols 34	
1000 Gunnis Lake	1 200 When dane 10 do	
1000 Gunnis Lake 13 3 256 Gwinoar Consols 5 18 1000 Hanson 14 2	256 Wheal Kekewich 4 4	
1000 HarrowbarrowOld Mine 81 21	256 Wheal Louisa 74 12 112 Wheal Margaret 79 250 256 Wheal Maria (Hayle) 19 15	
9000 Heignston Down Con. 4 94		
1000 Heigraston Down Con. 23 256 Herodacombe 6 256 Herodacombe 14 112 10000 Hiberman 122 1 10000 Hiberman 123 1 1000 Hiberman 18 8 18 18 19 19 19 19	512 Wheal Mary Ann 5 24	
- Hobb's Hill 4 3	256 Wheal Mary (Lanivet) 61. 4	
627 Kirkcudbrightshire 4 10	256 Wheal Mande 12 14 128 Wheal Pollard 124 12	
2048 Lamherooe Wh. Maria 9 3 74 Lanarth & Penstruthal — 10	4000 Wiseal Martina Consols. B 2 512 Wheal Mary Ann . 5 24 2266 Wheal Mary Consols . 38 . 25 256 Wheal Mary (Lanivet) 6 4 2756 Wheal Mary (Lanivet) 6 4 128 Wheal Magde . 12 12 128 Wheal Pospect . 4 7 128 Wheal Prospect . 4 7 128 Wheal Rose . 60 50-55 2048 Wheal Samson . 20 99 Wheal Seton . 214 . 850 256 Wheal Sisters . 292 . 35 256 Wheal Sparme . 10 75 128 Wheal Terbuwno . 75 148 Wheal Terbuwno . 75 148 Wheal Terbuwno . 75	1
2048 Lanivet Consols 4 2 200 Larkholes 1 3	128 Wheal Rose 60 50-55 2048 Wheal Samson 20	
200 Larkholes	99 Wheal Seton214 850 256 Wheal Sisters 291 35	
1280 Llancynfelin 6 — 1000 Llwyn Maleos 5 —	256 Wheal Sophia 32 10	
3600 Llynvi Iron 5060-65 256 Lostwithiel Consols 7 7	128 Wheal St. Ann 9 15	
28 Ludcott 3 3 4000 Marke Valley 10 3 3 4000 Marke Valley 10 3 5000 Mendip Hills 2 1 138 Metha 23 120 20000 Mining Co. of Ireland 7 7 256 New East Crownstale 3 3 3 3 3 3 3 3 3	256 Wh.Tremaine(St.Ervan) 14 20 256 Wheal Tremayne 35 324	ĺ
5000 Mendip Hills 2 18	128 Wheal Trew 20 21	
20000 Mining Co. of Ireland 7 . 71	92 Wheal Tryphena140 300	
128 North Fowey Consols. 25 20	128 Wheal St. Ann 9 15 260 Wheal Trehwney 75 115 266 Wh.Tremaflee(St.Ervan) 12 20 266 Wheal Tremaple 35 321 28 Wheal Trew 20 21 286 Wheal Trevelina 3 4 92 Wheal Treyphena 40 300 128 Wheal Venland 122 10 256 Wheal Volume 5	
	256 Wheal Williams 2 18	
100 North United 41 20	A committee Deposite word here A	
70 North Roskear 101 400 512 North Troburget 2 3 100 North United 41 20 286 North Wh. Abraham 12 286 North Wh. Leisure 11 31 128 North Wh. Providence 24 8	FOREIGN MINES.	
	5000 Alten Mining Company 141 4	
1200 Old Delabole State Co. 25 . 50 2000 Pantdrainiog State Co. 21 . 24	15000 Asturian Mining Co 10	-
128 Fur Consols	10000 Australian 2 64 10000 Auglo-Mexican Co100 1 12374 Ditto Subscription 25	1
256 Penhallow Moor · · · · · 15 · · · 4	2000 Releves	

	Reserve by Lancing and All States an	
	FOREIGN MINES.	ations.
g	5000 Alten Mining Company 141	4
	45000 Asturian Mining Co 10	
bil.	20000 Australian 2	64
15	10000 Anglo-Mexican Co 100	. 1
	12374 Ditto Subscription 25	24
	3000 Bolanos 150	61
	2000 Ditto Scrip 15	64
Æ	12000 Brazilian Imperial 20	21-3
	10000 Cobre Copper Co 40	25
	8500 Colombian Co. regis 55 1	0.2014
	5000 Ditto Scrip 54)	Service of
	5000 Copiapo Mining Co 14	31
E	10000 General Mining Ase'n. 20 .	154
	5000 Kinzigthal Mining Ass. 2	3
	20051 Mexican Company 59	712
	2000 Mexican & South Amer. 7	3
	5000 Mocaubus & Cocaes 25	61
2-3	29320 { Rl.del Monte, regis. } 287	av. 31
М,	(Ditto unregistered)	HY. 03
	Ditto Red Debentures	16
4	Ditto Black ditto	14
13	Ditto Loan Notes 150	878
ц	7000 Royal Santiago 10	
	2000 Pachuca Mines 4	44
	11000 St. John del Rey 15	7
S)	43174 United Mexican 984	01

JOINT-STOCK BANKS.

Shares.	Companies.	or proper or	Paid.	Div. p.	cent.	Price.
22,500	Australasia		£40		RUVIO SOLUE	£911 99
20,000	British North American .		50	5		44 45
39,000	Colonial		95	CALLE B		154 16
Ob will.	Commercial of London	***********	20	6	** ** ** **	22 23
4,1100	AUMMII DIMIC		20	0		244 25
60,000	London Joint-Steek	**********	10	6		
30,000	London and Westminster	** ** ** ** ** **	20	6		
10,000	National Provincial of Eng	cland	35	B		
20,000	National of Ireland	** ** ** ** ** **	224	5		
20,000	Provincial of Ireland		25	8		
4,000	Ditto New	********	10	8		
20,000	Union of Australia	** ** ** ** ** **	20	6	*******	24
00,000	Ditto New	** ** ** ** 40 **	24	6	*******	24 24
60,600	Union of London	*******	16	5	*******	12 124

M. Devarenne, a founder at Berlin, has received an order from Helsingforthe capital of the Grand Duchy of Finland, to cast in zinc, for the cathedral of
that city, colossal statues of the twolve apostles, after those sculptured in marble by Thorwaldsen, for the church of our Lady at Copenhagen. Six of them
have been cast, and are now to be seen in the studie of M. Devarsame. They
are the largest works in zinc over executed, and are finished in a style of excellence that has obtained the admiration of every artist two has examined them.

Cradley Heath, Rowley Regis.—The minors employed in Mr. Purser's Colliery,
being apprehensive of fire-damp, determined on ascending—accordingly, sax or
seven of them got into a skip, when Joseph Perry full out, and was killed.

Staumaries of Cormonil—In the Sice-Charten's Court.

PURSUANT to a DECREE of the VICE-WARDEN'S COURT, made in the cause of "Hill e Vigurs," the creditors in respect of the BOTAL POLBERHOW MINE, otherwise the ST. AGNES CONSOLIDATED MINES, in the parish of St. Agnes, within the said Stammaries, are, on or before the first day of July next, to come in and PROVE THEIR DEBTS before the Registrar of the said Court, at his office in Trur; or, in default thereof, they will be peremptorily excluded the benefit of the said Docree.—Dated Registrar's Office, Truro, the 10th day of June, 1847.

VALUABLE SPARE MINE MATERIALS FOR SALE ALUABLE SPARE MINE MATERIALS FOR SALE,

Ma. PRYOR is favoured with instructions to SELL, by PUBLIC AUCTION, on
Monday, the 21st of June, by Eleven o'clock in the forenoon, at WHEAL 3EWEL MINE,
parish of Gwennap, the following VALUABLE MINING MATERIALS, consisting of
13-ln. cylinder etam-engines, 2 pair of excellent shear, 28 9-ft. 10-ln. pumps, 19-ft. 7-in.
ditto, 7 9-ft. 9-ln. ditto, 8 6-ft. 10-in. ditto, 6 9-ft. 8-in. ditto, 4 9-ft. 6-in. ditto, 3 8-ft.
10-in. matching-pieces, 1 7-in. door-piece, 26-in. ditto, 1 7-in. working to intite, 3 3-ft.
11-in. matching-pieces, 1 rd. and o'clock, 2 angle-bobs, 2 balance ditte, saveral
pair of caps, 30 fms. of 1½ from flat-ruds, 1 pair of yokes, a quantity of staples and glands
of various sizes, a large quantity of cast and wrought-iron, and a quantity of rod plates;
also, neveral tons of tram-iron.
The auctioneer Degs to solicit the attention of mine agents and others to the above
materials, the same being of the best quality, and will be positively sold in one day.

Dated Bell Cottage, June 8, 1847.

LATEST CURRENT PRICES OF METALS.

LONDO		UNE 11, 1847.
En La	4.	2. 2.4
Inon -Bar a. Wales fow 0 0- 8 10	0	Corres-Ordin, sheets, 76, 0 0-0 0 1)
London 9 10- 9 15	6	, bottoms . 0 0-0 0 12
Nail rods , 0 0-10 10	0	YELLOW METALSHEATHING 0 0-0 0 91
Hoop(Staf.), 0 0-11 15	0	Tin-Com. blocksg ent. 4 10 4-12 0
Sheet , 0 0-13 0	0	bars 0 0-4 13 0
Bars , , 0 0-11 5	0	Refined 0 0-4 15 0
Welsh cold-blast ? 4 10 5 5		Straits A 4 5-4 6 0
founder nig		
Scotch pig b, Clyde 3 3-3 6	0	TIN-PLATES-Ch., IC i, box 1 8- 1 11 6
Italis, average 9 0-9 5	0	" IX 1 14- 1 17 O
Russian, CCNDc 0 0-	ben.	Coke, IC 1 8-1 6 0
n PSI 0 0	000	. IX 1 11-1 19 0
Gourieff 0 0-	903	LEAD-Sheet & fos 0 0-19 10 0
Archangel 0 0-13 10		Pig, refined 0 3-20 10 0
Swedish d, on the apot 0 0-11 15		, common 0 0-18 15 0
, Steel, fagt. 0 0-16 5	0	" Spanish, in bd. 17 10-18 0 0
,, kegse 0 0-15 0	0	
COPPER-Tilef 0 0-97 0		n in for arrival 0 0-19 15 0
Tough cake 0 0-98 0	0	ZING-(Sheet) m export. 0 0-27 0 0
Best selected 0 0 101 0	0	QUICKSTLVERS

6 10 10 10 10 10 10 10 10 10 10 10 10 10
Price.
£4 11 0
10 18 0
2 0 6
2 18 6
4 6 0
5 19 6
7 2 6
2 10 6
2 13 6
3 2 0
3 5 0
5 1 0
2 13 0
2 17 0
6 13 6
2 4 0
4 5 0
8 15 0
5 17 0
3 15 6
2 14 6
2 6 0

72 5 1 0 Wh. Prussia 3 3 19 6 Pembruke 1 9 10 0

Name and Advantages	200	T	OT.	T	PRODUCE.			100		a
Carn Brea843		5543	12	6	West Wh. Treasury	43	****	£ 133	15	
Wh. Prosper 347		1928	10	6	Wh. Virgin	42		192		
United Hills 3251	4.076	1045	14		Bastian's Ore Redruth Consols	30	****	85	10	il.
Wh. Sparrow 5	-	10.00	200		Redruth Consols	30		173	8	04
Par Consols 234		1470		0	Carn Perran	28		114	0	33
Wh. Tremayne 137		814	17	0	Wellington Mines	27		157	19	
Wh. Rodney 115		414	15	0	Michell's Ore	19		71	14	83
Trenow Consols 62		370	9	0	Harvey's Ore	6		16	7	
Wh. Agar 50		264		.0	North Wh. Abraham	5		- 11	10	80
Wh. Jane 48			8		Wh. Prussia				18	81
North Wh. Basset 44	****	136	8	0	Pembroke	1			10	ii)

COMPANIES BY WHOM THE ORES WERE PURCHASED.

		Amount.			
Mines Royal 163					
+ n glish Copper 347			14	0	
Vivian and Sons 464					
Freeman and Co 346		1276	11	0	
Grenfell and Sons 339		1722	6	0	
Sims, Willyams, and Co 196	*****	1039	17	6	
Williams, Foster, and Co 540		4316	. 5	0	
Total tons	action of	13.098	18	-	

Copper ores for sale on Thursday next, at Andrew's Hotel, Redruth.—Mines and Parcels.—Devon Great Consols, Wheal Maris, Wheal Fanny, and Wheal Josiah \$20—West Caradon 360—Fowey Consols 289—Wheal Friendship 244—Marke Valley 131—Bedfort United Mines 118—Hollmbash 73—Wheal Busy 55—Tamar Slag 12.—Torial, 2110 tons.

Copper ores for sale on Thursday week, at Farquharson's Hotel, Truro.—Mines and Parcels.—United Mines 1279—South Caradon 359—Par Consols 315—Treasycan 265—Treleigh Consols 246—West Wheal Jewel 177—West Trethellan 82—Chaplestown United Mines 55—S. Tolgus 37—E. Relistian 26—N. Downs 13—E. Downs 11.—Total, 2865 tons

Sampled May 20, and Sold at Stranges, June 10, 1847.

Mines. Tons	. Prod.	Stand.	Prie	0.	Mines.	Tons.	Prod.	Stand.	Pric	e.
Cobre 137	13	. 951 £10	2	6	Burra Burra.	. 46 .	. 22	894 £1	109	0
ditto 106	131	954 10	- 5	0	ditto	45 .	. 214	9017	1 0	0
ditto 100						. 89 .	. 28	882	8	. 6
ditto 98				6	ditto	. 80 .	. 28 .	865 2	180	. 0
ditto 94				0	ditto	48 .	. 28	88 25	8	S.
ditto 59				0	ditto	33 .	. 27 .,	884 2	1 15	
Cuba 80				6	Berchaven	97 .	. 94	1024	1-9	-6
ditto 79					Holyford					
ditto 66					Llandudno					
ditto 43	201	. 904 16	7	.0	ditto Ballymurtagh	25 .	. 94	100 1	1 13	
ditto 19	201	. 884 15	19	0	Ballymurtagh	69 .	42.	1204 :	3 3	- 6
Burra Burra 81	204	. 914 16	14	6	Burra Burra	23 :	31	88 2	E T	. 6
				6	ditto	10 .	. 24	. 88 18	17	0
ditto 54	21 .	. 914 17	. 0	0	CC-6861-15000	100				
tree and the second	100000	TO	TAI	P	RODUCE.	400	DE THOUSE		The state of	

Cobre 564 £6133 7 6 Holyford 77 £1558
Cuba 287 3417 12 0 Llandudno 75 405
Burra Burra 3:24 4821 6 Blaymurtagh 66 219
Copiapo. 250 5559 15 6
Bereilavan 97 725 1 6
Bereilavan 1734 — Total amount, £23,598 12s. 6d.
Copper over for eale June 24.—Cobre 102, ditto 101, ditto 34, ditto 35, ditto 34, ditto 54, dit

BLACK TIN.

Sold at the Mine, on the 3d of June, 1847.

Mines. Wheal Anderton	Tons.		Prio		Purchasers.
Sold, at the	372000	200		4020	
St. Agnes Consols	4	ON THE	£47 15	0	Calenick Co.
ditto	4		47 15	0	Williams and Co.
ditto					
aitto	The State of	****	41 12	100	MARRIAGES STREET, CO.

LEAD ORRES

TICRETINOS FOR ABOUT 180 TOSS (20 CWIS.) NEWTONARDS LEAD ORE.

Douglas, Isle of Mon., June 7, 1847.

Buyers.	Offer per Ton.
Dr. Somers-Bristol'	
Mesars. Walker, Parker, and Co-	Chester 8 16 0
Tamar Smelting Company-Fowey	. 40.200 consequence B. 10 6
J. T. Treffry, EsqHerralston	8 0 0

LLEGED IMPROPER WORKING OF WELSH COLLIERIES

in the county of Glamorgan, and from desping open or using the front field of the fiver I award in the control of Glamorgan, and from social on the county of Glamorgan, and from social on the county of Glamorgan, and from social on the county of the fiver I award and communications through and under the soil axis ground of the fiver I away, as from conveying soal through the same from the eastern or killeys did of the river, as from conveying soal through the same from the eastern or killeys did of the river, as from conveying soal through the same from the eastern or killeys did of the river, as from conveying soal through the same from the eastern or killeys did of the river, as from conveying soal through the same from the eastern or killeys did of the river, as from digging the defindant's collaries and the Landore Colleys, and from doing any acts, an from digging the defindant's collaries and the Landore Colleys, and from doing any acts, and from the plantiffs mines. The Vice-Chancellor of Eugland, after bearing the motion, granter the liquection, simply restraining the defendants from doing any acts, and from digging and working their coul mines in any places which might injure or endanger the plaintiffs mines. The defendants appealed to the Lord Chancellor, but the decision was affirmed by Lord Lyandrust. The case was now brought to a hearing in the usual way, the parties baving gone into evidence. It appeared that the duke, as tenant for life, and the masoer of Kilvey, in Glamorganshive. One of the cola mines in this district, belonging to the duke, is called the Landore Mine, and there is a neighbouring mine, called the Pentre mine, the property of the defendant, Mr. George Byng Morris. Near the Pentre Mine is another mine, the property of the defendant, Mr. George Byng Morris. Near the Pentre Mine is another mine, the property of the defendant, Mr. George Byng Morris. Near the Pentre Mine is another mine, the property of the defendant, Mr. George Byng Morris. Near the Pentre Mine is another mine, the

rites possessed a joint interest.

W. M. Jarzs and Mr. Dunungur for the plaintiff, contended that the evidence proved the case which had been brought before the court upon affidavits, and that

The parties possessed a joint microst.

Mr. W. M. James and Mr. Dungwaux for the plaintiff, contended that the evidence and proved the cases which had been brought before the court upon affidavits, and that he injunction ought now be made perpetual.

Mr. Walfolk and Mr. Rascus, for Mr. G. B. Morris, submitted that the evidence did only the content of the provential of the proper deal.

Mr. Walfolk any injury was to be apprehended from the working of the mines which he plaintiff seught to restrain; that the plaintiff had not proved there were, in fact, any omnumications between the mines—or if there were any communications, that those had been wrengfully made, or that it was the duty of the defendants rather than of the islaintiff to cole them up. They contended, that there was nothing in fact or in law rather how the prevented the defendant, it. Morris, from working his own mines in such a manner senior to the most preditable to himself. If the plaintiff mines were not sufficiently proceed from the flow of water, it was the business of the plaintiff to take other or better recentions to drain them. But it in fact appeared, that the plaintiff school fact of the recent of the process of the plaintiff to take other or better recentions to drain them. But it in fact appeared, that the plaintiff school fall manner worked out and entirely drowned, and had been drowned for a long period; and that, won expressing some water had flowed in the direction complaintiff a Lundore Mine was recked out and entirely drowned, and had been drowned for a long period; and that, won expressing some water had flowed in the direction complained of, it was not a matter not could be considered as an irremediable injury, and proper for the interference of this nort.—Mr. Toxxxx, for Str. J. Morris said, that the had now no interest in the mines—all he interest having been transferred to Mr. Morris before the bill was filed; and he sub-intend the present defendants, against a party named Smith, who was then attempting to what the defendants

MINING SHARES.

COUNTI COUNT OF WESTBINSTER—JUNE 7.

VILLIAM TRENERS, JUN, P. PARE, RABET, JUN—This was a case in which the plain-seaght to recover the sam of 114. 10s., being a balance of debt and costs of an action, lelt plaintiff act brought against defendant, on an 1. O. U., for a slave in Wheal Combined Property of the County of th

IMPORTANT MINING CASE.

IMPORTANT MINING CASE.

COURT OF COMMON PLEAS—JUNE 11.

CRETTI AND OTHERS S. BENDETT AND ANDTHER.—In this case Mr. Crowder, Q.C., seigneen Channell, and Mr. Smirks, appeared in support of the rule nist which had sheat parasted on the grounds of misdirection upon the part of the oil pinks who presided at the trial at Nist Prins, and a verdict against evidence naily this action had been brought by the plaintiffs, being bankors, for the balance naily this action had been brought by the plaintiffs, being bankors, for the balance naily the action had been brought by the plaintiffs, being bankors, for the balance naily the action had been brought by the plaintiffs, being bankors, for the balance naily the action had been brought by the plaintiffs, being bankors, for the balance naily as the trial, Mr. Bearne Platt had decided that, in point of law, the fact of these gratile-being ex-saferentimens in working a mine did not of itself authories the borrowing of yfor the purposes of the mine; and his lerdship left it to the jury to say, ff, under freamstance of the case. In reference to the management of the mine, and the defounties of the case. In reference to the management of the mine, and the defounties of the case in reference to be management of the mine, and the defounties of the case in the case of the case

G. Borlase was called

phosion is Croft Pit, near Whitehoven—Four Lives Lost.—On Friday last, those fatal and melancholy accidents which seem to be inseparable from orking of mines (more owing, we are convinced, to the imprudence of the sin the mode of using their lamps, than to any defect in the construction telessing which the inventive genius of Sir Humphrey Davy has compon that industrious and laborious portion of mankind) occurred at Control for the construction of the control of the

rred upon that industrious and laborious portion of mankind) occurred at Croft it, by which four lives were sacrificed.

North Moor, Oldham. — Hoblen has died of injuries received at the colliery of Mestra. Evana, Barker, and Co., Robin Hill.

West Bromeich. — T. Wright was killed by a fall of coal at Messra. P. Wilama and Co., Old Brehoes Field Colliery.

The Explosion at Gerard's Bridge Colliery, St. Helens. — We gave an account this explosion in last week's Mining Journal, when the number of lives lost as not accurately known; it now appears that four men and four boys were lied—emfocated, it is supposed, from the after damp. No fire-damp had been lied—emfocated, it is supposed, from the after damp.

of this explosion in last week's Mining Journal, when the number of lives lost was not accurately known; it now appears that four men and four boys were hillied—suffocated, it is supposed, from the after damp. No fire-damp had been hefore known in the pit, which was well ventilated; still the men had safely lamps provide them, which, however, they would not use, preferring candles—hence the accident.

Characek Richard, was Preston.—A sad and fatal accident occurred at Mr. Darlington's callieries by the fall of a portion of the roof on Saturday week. Eight men were at work at a draught, about five yards in wisth, when they proceeded to remove the pillar without the necessary propping, although plenty of timber was supplied, when a piece of the roof grey sandstone), weighing for 8 tens, fell, and killed four, the others escaping more or less hur. Brombey-lene, Brockmoor.—T. Harper was killed by a fall of coal.

Chillington Colliery, Mossmor Gross, Melershaupton.—As J. Owen was speaking to his bruther, who worked the engine, the crank struck him on the head, and fractured his skull in several places; he was taken up dead.

Trisidels.—T. Smith was killed by a fall of coal in a colliery hore.

Lettelton Hall Colliery, West Bromswich.—T. Tilford was killed by a fall of coal. Postgoped.—Bursing of a Boller.—A dreadful accident happened at the Partnewynidd farge by the bursting of a boiler. The accone was really terrific; one large piece of iron passed through the roof of the forge, carrying everything before it, and fell close by the office door, and several stones and bricks dropped on the roof of the houses rise; and the windows were all broken. There were allogated 15 persons scaled, and otherwise injured, 16 of whom are now under medical care. In such large works, where there are hundreds of men, wasnen, and children employed, it is surprising how any of them escaped.

Marking Colliery.—L. Moon, aged 11 years, fell out of the chain by which he was descending one of the pits, sail was as much injured as to cause de

WHEAL CARTHEW.—A meeting hardholders was held at the offices, St. Michael's-alley, Cornbill, on West the 9th inst.—G. W. Harmson, Eq., in the cher.—The accounts have examined and passed, the captain's report read and adopted, it was respect that to carry on the operations of the mino, a call of 1l. per share be made.—The following roport from Capt. W. Penrose was read to the meeting:—This morning (June 5) I was at Carthew-Mine, and find we have driven the adit level about 46 fms.; the lode in the present end is about 1ft. wide, composed of flookan, sur, and occasional spots of feed, with portions of copper ore, but do not find the lode to make that improvement I could wish; the strata of ground is a soft blue killes, and we are now driving for 20s. per fm., and I do think it still congenial for lead.

WHEAL TAVY.—A weeting of shareholders was held at the Control Hall

now driving for 20s. per fin., and 1-do think it still congenial for lead.

Where, Tavy.—A meeting of shareholders was held at the Central Hall,
Plymouth, on Tuesday last—Capt. J. PAUL. in the chair.—Capt. Martyn'a report was considered flavourable. It was stated that a considerable sum had been
saved by purchasing some mining machinery at a sale, and that, to meet this,
it would be necessary to have more funds. The shareholders, therefore, agreed
to a further call of 10s. a share, which would not otherwise have been required—
the balance in hand being 435%. The forfeiture of several shares was confirmed,
and the purser's salary was advanced two guineas a month.

is would be necessary to have more finds. The shre-bolders, therefore, agreed to a further call of 10s a share, which would not otherwise have been required—the balance in hand being 435. The foreiture of several shares was confirmed, and the purser's alary was advanced two guineas a month.

WIGHAT TRURAINE.—A general meeting of adventurers was held at the mine off Tuesday, the lat inst.—Mr. I. C. IsaAc in the chain,—when the accounts were examined and passed, showing cost and merchants bills for fire months, ending April 29, 1003/1. 8. 81, 4 dividends, 2564. 1 brd's dues, 864 0s. 10d.; expense of grant of two additional fields to set, 1440. 5s.—1463/I. 11s. 6d.—By balance, 2164. 14s.; ores sold, 1857. 4s. 11d.—2073/. 17s. 11d.: abowing a balance in favour of the adventurer, 608/4. 4s. 6d.—It was resolved, that a dividend of 20s. per share be declared, psyable inimediately; that Messrs B. Sambells, P. Abraham, J. L. Jenkin, and J. Sargant, be a committee, to act with the purser and captain; and that the captain is not be now lives in be paid by the adventurer.—The following report from Capt. J. Bryant was read to the meeting in the 20 fm. level north is large, worth 63 per firs, the stopes in the back of this level are looking well; we holed a rise 17 fm. beting this was a large and the large and opened will pay well for stoping. The new shaft is sunk 21 fms.; and if the foul if the St. German's Fields, where the lade is large, and the ground opened will pay well for stoping. The new shaft is sunk 21 fms.; and if the foul is it does not impede our sinking. I hope to hole it to the 30 fm. lavel in a forthight. We aampled a parcel of goosan ore yesterday, which was raised from the back of the 20 fm. sevel, computed 46 tons, and we intend asampling on the 14th inst. 40 tons of best owe. Having, as I said in my report of the 11th ult, made an addition to this sett to two fields, which is likely to give us apwards of 30 fms. in length on the course of the leds more approach of the following properts of the course of

NOVEL AND UNPRECEDENTED MINING ACHIEVEMENT.

A short time since, Capt. Joseph Vivan, manager of Wheal Tryphens, during a conversation with some of the adventurers respecting the state and prospects of this very promising and produble adventure, observed, that he would engage to go underground, and break with his own hands, without the slightest assistance from any other party, 1001. worth of the in eight hours; and that, too, without being allowed, or receiving, either before or whilst at work, any advantage above what the common miner would be entitled to. Upon which Mr. S.—, one of the adventurers present, said, in the event of Capt. Vivian's undertaking and accomplishing this laborious task, that he would engage to scheel away the ore to the plat, with the provision, also, that Mr. P.—, another adventurer present, would promise to fill the kibbles, and send it to the surface; to this Mr. P.— readily and cheerfully assented. Immediately on this announcement, Mr. L.—, being of the party, and also an adventurer, declared that he would undertake the office of lander, and would be ready to receive the ore at the surface, and carefully land, wheel away, and deposit the same into the sildes. This declaration having met the approbation of all present, Capt. Vivian was requested to mame the day, which he did; and on Wednesday week, the 2d inst., at half-past eight o'clock in the morning, Capt. Vivian commenced working, which he continued to do, with-little lutermission, till half-past four o'clock in the affernoon; at five o'clock the kibbles were sent down, and the other three adventurers commenced with their respective and allotted task—two underground, and one at the surface; and by eight o'clock the whole of the own former, on being fairly sampled and carefully assayed, was pronounced to be worth 1612 a. Sod, and the latter about 3d; in addition to this, it should be understoed that the piece of ground from which this tin, &c., was broken, was left in a much better state for working than when Capt. V. commenced o NOVEL AND UNPRECEDENTED MINING ACHIEVEMENT.

VENTILATION OF MENES,-In the House of Commons, on Wed ing, Mr. T. Dencombe moved for, and obtained, leave to bring in a bill to provide for the better ventilation of mines and collieries, for the protection and preservation of the lives of persons employed in and about the same, and to make other provisions relating thereto.

RICH SILVER ORE.—A very splendid parcel of silver ore was this week received by a mercantile firm at Liverpool, from Valparaiso. Its value, by different assays, has been computed at the rate of from 15904 to 16004 for the ton of 21 cwts. The purchasers, by tender, were, we are informed, the silver ore smelting firm of Mullins and Co., Batterses, near London.

Mosing News or South Australia.—Mr. Collinson, who went out in the Emiss Sherrall, has been elected to the secretaryship of the Mount Remarkable Mining Company, at a salary of 150l, per annum, for which there were nearly 20-applicants.—Mr. Chipman, who went out in the Hoyal Archer, has been elected to superintendant's office of the Burns Burns Mining Company, at a salary of 350l, per annum, in the room of Mr. S. Stocks, who resigned—there were also upwards of 20 applicants for this appointment.—Mr. Roseh, who had just arrived from Cornwall, was engaged as underground superintendent of the Burns Burns, Mines.

A Prench engineer, charged with the duty of inquiries into the salary of the salary o

A Prench sengineer, charged with the duty of inquiring into the nature and condition of the mines in the south-east of the empire of Morecco, has discovered in the province of Totuan fossil bones of great interest. Amongst them is the entire excluton of a lion of gigantic size. These remains have been forwarded to Paris.

NOTICES TO CORRESPONDENTS.

t will at all the

Also, to avoid trouble, Poor-Orrice On SALMON MANUELL, as acting for the proprietors.

Balmon Mansell, as acting for the proprietors.

Da. CLARNY's LANY.—We have received several letters in reference to the "Vertias," in has week? Journal. In common with our correspondents deeply so, that the letter was so calculated to wound the Relings of our erapondent, Dr. Clamy, but its insertion we deemed as unavoidable drity partial conduct of the Journal—allowing, as we do, a full and free discussiblets interesting to the miner. One writer ("An Englishman, "Gate concludes his letter:—"But why this dispute about lamps ?—In this call impose outple to be discusted, and a sufficient supply of alt, to sweep off the gare evolved, afforded to the miners who have to inhale it for many hours nothing but misplaced destructive economy (if I may so term it) that requ of misely lumps. Sink more shufts—let the miners be considered ration and them dispense with the accentible issurfunents, safely lamps. Pray, ho shepkeepers of London like to live all day is an infilammable starmentary protects of which a naked light would cause destruction; and, although their see insured by a safety lamp, yet I have no doubt their existence would be seen."

be insured by a safety lamp, yet I have no doubt their existence would be curtailed 50 per cent."

WHERE CURYES.—On referring to the letter of Capt. Crase, and accompanying explanation, published in the Journal on the 19th May, we consider the insertion of the coestanulcations from "A Constant Reader" unnecessary.

MEXICAN AND SOUTH AMERICAN COMPANY.—We have no means of obtaining a report of the meeting, hald on Wednesday last—the directors deeming it prudent fo refuse admission to the press. If "Scrutiny" be a shareholder, he should have attended the meeting, and then urgest the property of publicity being given to their precedings. We shall have pleasure, at all times, in either sending a reporter, to give the proceedings in detail, or of publishing a copy of the directors report, or an abstract thereof, if fernished us for that purpose—from the office.

VARTILATION—SARETY LAMPS, &c.—We have been compelled to pestpone the letters of Dr. Clanny, Mr. H. Johnson, Mr. G. Shepherd, G. E., and others; heeddes a mass of general inflirmation, for which we shall give a Dourse Sener next week.

SILVER AND GOLD MINES OF THE NEW WORLD. We have in type the first part of the second series of these interesting papers, which shall appear in our next.

"W." (Leeds).—A full report of the interesting proceedings of the Institution of Mechanical Engineers, at Birmingham, appeared in the Journals of the 32d and 39th May. The Minus of Journals of the 32d and 39th May. The Minus of Journals of the 32d and 39th May.

MINING JOURNAL Railway and Conmercial Sagette.

LONDON, JUNE 12, 1847.

Our attention having been drawn by several correspondents to the progressive advancement making in the counties of Cornwall and Devon, more especially those mines which may be said to be in virgin ground; while several worked for a lengthened period, are again coming forward with increased produce, and aided by the improvement in the standard are paying handsome dividends, in which we may include Carn Brea and others, we are induced to refer to some tabular statements, which appeared in our columns a few months since, as affording evidence of the profitable results of the past year, confining ourselves to 10 mines. The following will, we believe, be found a correct list, showing the amount paid, the dividends in the 12 months, with the relative number of shares, calls paid, market value, &c.:—

Name of Mine.

Sh. Calls. Paid. Price. Value. Div. Total div.

-	Name of Mine,	Sh.		CaRs		Paid		Price	Value.		Die.	Total div.
A.	Name of Mine, Devon Gt. Con. (Maris)	1024		£1		£1024		£500	£512,000	٠.	£87	.637,863
									166,498		240	30,720
n	Carn Brea	1000	60	15		15000		- 100	 100,000			
n	West Caradon	256		20		5120		170				8,310
t	South Caradon	128		10		1290		400	 51,200		50	
	North Roskear	70		10		700		200	 21,000		65	4,550
9	East Wheal Crofty	94		10		940		300	 28,200		424	
а	Trelawney	260		-74		1950		125	 32,500		12.	
a.	North Roskear East Wheal Crofty Trelawney Trethellan	120		. 5.		600	-	30	 3,600	-		
ų.	Tresavean	96		10		960		280	26,880	**	18	1,728
	wiff of the state of palating			104.1	12	25 054			#005 WAG	kd?	onal 4	PITT 101

of col po

for 3,0 wi cei Ch ms led In gai

market value, the 10 mines special on the paid-up capital.

We may here remark on the mines which have been abandoned if we may use the expression—arising from circumstances various in themselves; in some instances, the want of efficient machinery the change of ground, &c., which, as reported in a former Number 18 of which had yielded full 3,000,000. sterling profit. We must be a remarked to the present occasion however, content ourselves with figures on the present occasion—while we may revert to the subject in an early Number. We may say, en passent, that as our object is the acquirement of information, and rendering such to our readers, our mining statistical friends will oblige us by aiding us, either by addition to, or correction of, our list.

It is with much regret we notice the present position of the United Hills Mine: after so many years of patience and persoverance on the part of the directors and shareholders, and just as they were in a position to make returns which would have, doubtless, more than paid the current cost, they find themselves overwhelmed with a deluge of water from the abandonment of an adjoining mine, and the works in their most productive levels put a stop to. That these mines are really valuable property, and will evanually pay for the capital expended, is the general opinion of the most experienced mining agents, who are acquainted with this part of the county; and we sincerely hope that the shareholders will not be discouraged by the present totally unforeseen accident, as we feel assured that the exertions of the directors and agents will be directed to the namest of their ability to repair the damage; and we have but little doubt that their efforts will be crowned with success.

PROGRESS OF FRENCH MINING INDUSTRY

The newspapers state, that the Committee on the Customs Bill has com-The newspapers state, that the Committee on the Customs Bill has come to a resolution to recommend the imposition of a heavy tax on English copper, in order to benefit the merchant navy, by imposing on France the necessity of going to seek copper ore in South America, and bringing it to France to be manufactured. I heard something of this notable project to days ago, but it seemed to me so very absurd, that I refrained from inquiring anything about it. As, however, the Constitutionnel has published it, I suppose it must be true—for the Constitutionnel has published it, I suppose it must be true—for the Constitutionnel is the organ of M. Thiers, and M. Thiers is the leading man on the committee. Tax English copper, to give an opportunity to the merchant shipping of bringing ore from South America—why what a sublime invention that is! I have a great respect for the intellect of M. Thiers, but really such a proposition is more like the emanation of a disordered mind of Bedlam, than of that of a great statesman. If English copper is to be excluded from France to benefit the merchant navy, why does not M. Thiers also propose that English coal from Newcastle shall be sent to the North Pole before it be allowed to be delivered in France? Why not propose that American cotton shall be brought to France wid Canson and the Cape? and that Belgian cast-iron shall make a trip round the British Isles, before being delivered at Calais? It is as much to the interest of the merchant navy to carry cotton and cast-iron to Canton, as it is to fetch copper ore from South America; and there is really just as much reason why these unfortunate French people should be saddled withthe expense of the one as of the other. But, in truth, the scheme is so utterly extravagant, that I cannot believe it will ever be adopted by the Chamber of Deputies. The presentation of a bill for cutting down the iron monopoly, in favour of the shipping interest, afforded so much satisfaction to the Chamber and the public, that it is impossible on the behald to a resolution to recommend the imposition of a heavy tax on English copper, in order to benefit the merchant navy, by imposing on France

12

per, as to render it almost impossible to purchase—would impose an immensely heavy tax on the whole nation—and create another most hateful monopoly.

No decision has yet been come to with respect to the case of General Cubières, accused of having bribed a Minister with shares of the Gouhonan Mines, or of having fraudulently obtained the shares under pretence of so doing. Some of the shareholders have written to one of the newspapers to state that the shares in question were subsequently restored to the company. Reports are current of very strange transactions having taken place with respect to the concession of certain mines in Algeria.

A petition, very numeronaly signed, has been presented to the Chamber of Deputies, praying for the reduction of the duties on foreign iron, and especially on rails. This may be considered an event of considerable importance, as petitions to Parliament are by no means so common in this country as in England.

On 1st July next, the Marine Department will receive contracts at Paris for the supply of 10,000,000 kilogrammes of English coal for Algeria, and 3,000,000 kilogrammes of English coal for Tahiti, &c. On the 3d July, it will receive contracts for large quantities of French coal.

A bill for the establishment of another School for Miners has passed the Chamber of Deputies. The French Government incurs great expense in maintaining institutions for teaching the theoretical and practical knowledge necessary to those who devote themselves to the mining profession. In point of fact, the scientific knowledge of mining matters that may be gained in this country is superior to what can be obtained in England.

The usual weekly letter from St. Dizier, of the 3d, says:—" Iron is not quoted, on account of the stagnation of affairs; still some little sales of fer batth have been effected at 385 fr. for the provinces; fontes blanches may easily be obtained at 180 fr., although there are very few to sell."

The Dutch have just discovered three valuable coal mines at Betavia.

The usual wee

BELGIUM.—Some modifications have been made in the bye-laws of the Nouvelle Montagne Company, and sanctioned by Royal ordinance. The most important—there are to be seven directors and a managing director

most important—there are to be seven directors and a managing director, the former of whom are to receive \$\frac{1}{2}\$th parts of the profits, subject to the reserve at present existing, and to a fixed annual salary and travelling expenses, in the event of the profits not allowing the \$\frac{1}{2}\$ths to be abstracted; the directors who cannot attend may nominate a director to represent them; the managing director to have a salary when his share of the profits are not large enough to pay him a fair salary; and the annual general assembly to take place in April. At the meeting at which these modifications were agreed to, the shareholders passed a vote, authorising the directors to borrow 40,000\$L or less, for extending the operations of the company. At the meeting of the Grande Montague Company, held some time back, the report stated, that the existence of large quantities of calamine and lead of excellent quality had been ascertained in the different shafts; but the zinc furnaces will be established at Mallieure, and will be 40 in number, manufacturing 3000 tons of zinc; that they will be on the Silesian, and not the Belgian system; that they will ase up the small coal, leaving the larger for sale to the public; that the lead furnaces (20 in number) will be capable of turning out 1500 to 2000 tons of metal per annum; that up to 31st Dec., 1846, the funds were employed as follow:—For works in the zinc, lead, and iron mines, 129,291 fr. 43 c.; in the coal-pits, 63,316 fr. 1c.; constructions for working, 29,383 fr. 75 c.; ditto for furnaces, 6289 fr. 65 c.; sacteriel, 18,542 fr. 94 c.

At the meeting of the Company of the Mines and Furnaces of Stolberg.

constructions for working, 29,383 fr. 75 c.; ditto for furnaces, 6289 fr. 65 c.; materiel, 18,542 fr. 94 c.

At the meeting of the Company of the Mines and Furnaces of Stolberg, the dividend of 1st July next was fixed at 1l, per share, which the interest paid on 1st Jan, makes 9 per cent, on the shares. The extraction of tend was not in full operation, but in one day ore of the value of 100l. had been obtained.—Brussels, Tuesday.

BAILWAY PROFITS.—The principal railway comparative principal railway r

is me	de up, vary from 2 to 10 per cent. in the foll	owing eronori
On	£1,079,867 the dividend is accessed	0 per cent.
On	853,918	2 4
On	520,341	3 12
On	142,900	3 0
On	4,741,249	2.10
On	1,174,969	1 0
On	5,705,067	No.
On		1170
On	2,005,127	Proposition .
On	26,276,102	
On	8,426,000	O AND POSTO
On	9,062,053,	a Cold Parts sales
Op	23,099,571	on litter

We have, in former Numbers of the Mining Journal, given the details of various experiments with gun-cotton in blasting (authentic particulars of which we have been favoured with by the patentees, Mesers. John Hall and Co., of Lombard street) at the Holyhead Mountain, Anglesea, the Holland Slate Quarry, Festiniog, the Penrhyn Slate Quarries, Flaybrick Quarry, Birkenhead, and the Woodhead Tunied, near Manchester—in all Holland Slate Quarry, Festiniog, the Penrhyn Slate Quarries, Flaybrick Quarry, Birkenhead, and the Woodhead Tunnel, near Manchester—in all of which cases its superiority over gunpowder has been fully proved. On Tnesday, the 1st inst., a number of gentlemen and agents connected with the great iron-works of South Wales, attended to witness some further experiments at the Ebbw Vale and Tredegar Iron-Works; amongst those present were—Samuel Homfray, Esq., of Tredegar Iron-Works; Thomas Brown, Esq., Ebbw Vale; Henry Bailey, Esq., Nantyglo and Beaufort; T. L. Brewer, Esq., Coalbrook Vale; F. Levick, Esq., Comeelyn and Blaina; James Beaumont, Esq., Victoria: Jas. Brown, Esq., secretary to the iron trade of South Wales; Richard Fothergill, Esq., of Tredegar; Mr. Theophilus Jones, mineral agent to Tredegar Iron Company; Mr. William Adams, mineral agent to Febbw Vale Iron Company; Mr. William Adams, mineral agent to Ebbw Vale Iron Company; Mr. William Adams, mineral agent to Beaufort Iron Company; Mr. William Adams, mineral agent to Tredegar Iron Company; the Rev. L. Charles Lewis; A. Homfray, Esq., surgeen; N. Coates, Esq., ditto; — Webb, Esq., ditto; together with Messrs. Ellis, Hunter, Ion, Jones, R. Roden, Lloyd, &c.; and the contractors at the quarries of the Rhymney, Sirhowy, Tredegar, Beaufort, Ebbw Vale, and Victoria Iron-Works, with nearly 200 quarrymen, all of whom appeared to take the deepest interest in the proceedings.

The day was remarkably fine, and the experiments were continued from three o'clock until half-past eight, in every one of which the success of gun cotton was complete—the extraordinary manner in which large masses of rock were detached and rolled over the precipice, called forth the admiration of all present. In one part of the Tredegar Quarry the rock is so hard that gunpowder has but little effect on it; in the hardest of this portion of the rock a charge was placed, and the extraordinary execution which it offected astonished every one present.

Mr. Adams, who, with Mr. Needham and Mr. Whe

RAILWAY REGULATION BILL.

Much excitement exists in the railway world, in consequence of an obnexious bill for the regulation of railway companies, which Mr. Strutt has brought before the House of Commons, being likely to be supported by the Government, and which, if suffered to pass, will inflict an irremediable

bronght before the House of Commons, being likely to be supported by the Government, and which, if suffered to pass, will inflict an irremediable injury on this description of property, and, most probably, create a panie in the country respecting railways, the effects of which will, probably, be felt for years. Already is it almost officially unnounced by numerous individuals of high commercial standing, and, as if a simultaneous understanding had been come to, that should the proceedings of boards of directors be interfered with, and the parties themselves subjected to examination in the manner contemplated by the bill, they will immediately resign their posts as directors, and cease all connection with English Railways.

We have before us a pamphlet from the pen of S. Laing, Esq. (late secretary of the railway department of the Board of Trade), on Mr. Strut's amended (?) bill. The bill, as it now stands, comprises two objects—first, the regulation of preliminary proceedings upon future railway bills; and, secondly, the enactment of various stringent provisions, in the shape of supervision and regulation over existing railways, most seriously affecting the whole character of the railway system in this country, and the interests and vested rights of existing railway property—a question involving not merely the security of the enormous mass of property invested in railway enterprise; but what is of far more importance—in fact, in a great commercial country like this, of vital importance—whether private enterprise and property, embarked on the faith of Acts of Parliament and solemn compacts with the executive Government, reorganised and ratified by the Legislature, are to be held sacred from uncompensated interference, by expost facto legislation. After drawing attention to the manner in which the railway system has been carried out in France, as compared with this country—in the former the Government, not only advanced large sums of money, but found the land for the companies, while in England all has been accom

them as little as possible, and to limit their recommendations to a plan which may ensure the effectual administration of the laws by which each railway company is incorporated."

The following are some of the absurdities of Mr. Strutt's bill. It repeals the settled arrangement with regard to the mails, and substitutes one in which the arbitrators are only to award the actual amount of any additional expense which can be shown to have been incurred by the railway company in performing Post-office services, and 5 per cent. on that amount. The regulations as to returns by Mr. Gladstone's committee are to be repealed, and an absolute power provided of requiring railway companies to furnish, at their own expense, any and every description of return which the commissioners may think fit to call for, and to subject their minutes, accounts, and documents of every description, to the inspection of any officer appointed by the commissioners, who may summon before him, and examine upon oath, any director or person connected with the company upon any matter relating to the company's affairs. A prevision that any person furnished with a pass by the commissioners, shall travel free upon their business. The scale of charge, as settled between the railway interest and Mr. Gladstone's committee, for the conveyance of troops, is to be reduced by a third. The commissioners, once in every year, to make a report to Parliament upon the subject of the tolls, fares, and charges which every railway company is entitled to demand; and of the tolls, &c., actually levied by any company for the time being, with any necessary observations. No company to alter their charge, and, strange as it may appear, not even to lover them, under heavy penalties, without giving 30 days' notice, accompany as a statement of their reasons. Asnecessary observations. No company to the time being, with any necessary observations. No company to alter their charge, and, strange as it may appear, not even to lower them, under heavy penalties, without giving 30 days' notice, accompanied by a statement of their reasons. Assuming that they do not take sufficient pains to ensare punctuality in the running of the trains, the following is the extraordinary remedy proposed:

—That at any station the commissioners may require, companies shall appoint and employ an officer, to keep a register of the appointed and actual times of arrival and departure of all trains—copies of which are to be every week suspended for public inspection, and forwarded to the railway commissioners, who are to report annually to Parliament on the general regularity or irregularity of the trains of the several railway companies. This is really a laughable proposal; and, with some of the other clauses, would induce the conviction, that Mr. Stratt, in his ambition to become a railway legislator, has blundered on a vast heap of cumbrous machinery—of the difficulty of working which, he has not the most remote idea. We have now, or soon shall have (say) 3000 stations, which, with 30 trains a day, would make 40,000 separate entries per day, or 280,000 per week, to be returned to the unhappy commissioners, who would soon be absolutely buried under those unclease returns—uncless, we say—for it is not every line to which Mr. Henses hatched, several goods we will not the only loss sustained by the use of the college of their contents, were burnet, iterally a cellification of the crains of the several railway companies. This is really a laughable proposal; and, with some of the other clauses, would induce the conviction, that Mr. Stratt, in his ambition to become a really a laughable proposal; and, with some of the other clauses, would induce the conviction, that has not the case of the other clauses, and threat the far any subject to the railway wagon of the railway wagon of the railway wagon of t

tems is to be perpetually meddling for meddling sake; and if one year you make an Act of Parliament to create a commission, because you have a vague idea that something ought to be done, and do not very well know what—and the next year bring in another Act, because, having created a commission, you do not know what to do with it—you may depend upon it you are departing altogether from the principles which ought to actuate commercial legislation. A proper system of supervision over railways is highly desirable, and its success ought not to be jeopardised by this sort of hap-hazard legislation—reversing, with the intrepidity of ignorance, all that has been most fully determined by such men as Lord Dalhousie, Mr. Gladstone, and Mr. Labouchere; and, by careful and deliberate inquiry of select committees, composed of the most distinguished Members of the House of Commons." It must be clear to every man of common sense, that Mr. Strutt's bill is a gross absurdity; and we trust that even should the Government, by some strange attachment to its provisions, give it their support, there is still sufficient intellect and independence among our representatives, to prove to such meddlers, as the author of the bill in question (pity they have nothing better to employ their time), that great national interests are not to be tampered with—with impunity, nor well-considered legislative enactments to be swept away by the frivolous pretensions of would-be law-makers.

His Imperial Highness the Grand Duke Constantine of Russis, attended by a numerous party of distinguished and scientific gentlemen, visited Mesers. Ditchburn and Marc's shipbuilding establishment at Blackwall, on Wednesday last, for the purpose of seeing the different processes employed in building ireas and wood ships. His Highness first inspected the various plans and models of the several vessels on the stocks, 11 in number, from a cutter yacht of 12 tons, to a steam-screw frigate of 1800 tons, giving particular attention, and seeking every information with reference to the plans and model of a fine steam-frigate of 1200 tons, designed by Mr. Ditchburn, and just commenced building for the Russian navy. His Highness then proceeded to the slip where she was being laid down, the main stem of which was suspended in the tackles, ready to be lowered into its place. Here a novel cersmony occurred—it being the common custom in Russia of naming every ship built for the Govern ment. A brass plate, handsomely engraved, bearing the following inscription, in the Russian language, was handed by Mr. Ditchburn to his Highness:—"*Vladimere, steam-frigate, commanded by Mr. Ditchburn to his Highness Grand Duke Constantine, designed and built by Messrs. Ditchburn and Mare, Blackwall, London, 28th May [old style, which Russia still retains], 1847." This plate his Highness placed on the scarph, or junction, of the stem and keel, in a rocess made to receive it; the stem was then lowered into its place, and a bolt of 14 in. diameter was very smartly driven by his Highness, accuring the stem to the keel; the builder, Mr. Ditchburn, next gave several blows on the same bolt—them followed in auccession Admiral Litcko, Count Geydin, Baron Friderick. Capt. Korneloff, and others. Best wishes were then expressed for the success, safety, and durability of the good ship Vladimers, by his Highness and party, who then went on board the Vulcam, steam-screw frigate, of 1800 tons, talso building by Ditchburn and Mare, for the British Government. His Imperial Highness the Grand Duke Constantine of Russia, attended by a

which, the noble and distinguished party repaired to the Brunswick Hotel, Blackwall, where they were entertained in a highly-gratifying manner.

RATLWAY WATER COMPANIES.—In some of the railway bills of the session, power is supposed to be taken to enable these corporations to actas water companies for the supply of water by pipes along the railways, to the towns and places on and at their termini. The Commissioners, in their reports, have drawn attention to the subject, in connection with the bills of the Manchester, Sheffield, and Lincolnshire Railway, who propose to take powers in connection with a similar proposal. The company state that it is their wish to aell the water in bulk to an existing water company, and not to undertake the duty of distributing the water, for which powers are proposed to be taken in their bill. Such powers (observe the Commissioners) appear totally foreign to the ordinary functions of a railway company, and it will be for the committee on the bill to determine whether any sufficient case is made out by the company for the adoption of so unusual a course. In reporting on the pecuniary position of the Leeds and Thirsk, the Commissioners state, by each of the above-monitoned bills, it is proposed to be enacted that the capital shall be raised on such terms as may be agreed upon;" and, it is stated by the company, that it is intended under these words to issue perpetual shares, with a guaranteed dividend of 6 per cent. They add, that they have also have, with a guarantee and that they have considered it more advisable to give such a guarantee and that they have considered it more advisable to give such a guarantee and that they have considered it more advisable to give such a guarantee and that they have considered it more advisable to give such a guarantee than to obtain the capital at a discount. The commissioners must, in the first place, remark upon this proposal that, in their opinion, the intentions of the company ought to have been shown more clearly in their bills. They also co

to guarantee a dividend of 6 per cent, on nearly 2,000,000% of that amount.

Fall of a Railway Viladuct in Firance.—A serious disaster has occurred on the new line of railway between Avignon and Marsenlles, which was just ready to be opened. The vinduct, which carried the railway over the River Neutrine, one of the principal works of art upon the line, has fallen. The particulars of this event had not reached Paris, but it appears that no lives have been lost. The damage will amount to from 2,000,000 to 8,000,000 frs.

Shirkwadury and Brimmoham Railway.—We find that the works of this important line between Shiffnal and Wellington are making rapid and satisfactory progress, many hundred men being employed on this contract alone. At Shiffnal one of the largest embankments in the kingdom is being constructed, and in connection with it will be a viaduct stretching across the main street in the town. The foundations for this mass of brickwork and masonry are prepared, and great blocks of fine hard stone are constantly arriving to all in the construction. At Chalengates (midway between Shiffnal and Wellington) a trumal will have to be constructed under the Shropshite Canal, which we are told is to be diverted from its present course. All this necessarily implies some heavy, and considering it is in a mining district, perhaps troublessome work, but, in these days, engineering difficulties seem to be a dead letter, so we have a large overheaving the Armedia.

some work, but, in these days, engineering difficulties seem to be a deal-letter, so we have no doubt that all will progress well.—Herostevative Ghronick.

Intraovements in Railway Wassons.—Some models of goods and cattle vans recently patented by Mr. Henson, the superintendent of the construction-department of the London and North-Western Railway, were exhibited on Monday last. The primary objects of the patentee appear to be to afford security against fire, and to effect a saving in the wear and tear of goods waggons. The construction and working of the goods waggons and cattle trucks now in size are edifying instances of the very sleep progress with which improvement marches, even in the management of the proalest commercial improvement of the age—viz., the railway system. While the skill and ingonality of rival railway eighneers have been taxed to the minost in the production of powerful locomotives to deal with express and spoots trains, the old mode of carriage contraction has been germitted to prevail almost without interruption. Fraciscly the same precaution that was previously taken to protect goods from the waters of the Heavens has been adopted to preserve them from the red hor einders of the locomotive, and the consequence has been the destruction of a large amount of property by fire, and an enormous waste of steam power. As our readers are sward, the goods waggon is an oblong box without a bid, or rather it is in effect the old covered vehicle deprived of its broad wheels, and throw upon a frame fitted for the railway, with a targualin substituted for the wooden hood; and we take upon ourselves to assert that, it side winds—the great practical impediment to the speed of the locomotive—did not formatch or measure and our our of 100—or, in other works, if the cluders of the ongine were

Original Correspondence.

THE COPPER ORE DUTIES.

THE COPPER ORE DUTIES.

Sir,—It is a ingular, that none of the published letters respecting the protecting duties on copper ores, contain any allusion to the duty on ores from a British colony. Although it be true, that this duty is only it it is per ton on copper from colonial ore, whatever the per centage may be, yet I believe, that this duty is the wedge, that will, in a year or two, completely overturn the present system of protection on copper ores. It will be remembered, that in 1845 the shipments of copper ores from South Australia were only of the value of 17,1794.—whereas, last year they were probably quintupled—at least, ores of the value of 46,239l. were sold at Swansea within the year. Now, as mines of equal value to the celebrated Burra Burra have been found about twelve times nearer the coast, there is the certainty next year of a greatly-increased importation, either in the shape of ores, or of copper itself. This avalanche of ores will carry Mr. Munts's motion, and without a division; but, unquestionably, the distress at present in Cornwall will continue, and, perhaps, be augmented, unless the most vigorous measures be taken to improve the smelting of the home ores. The practice of assaying for copper only, instead of making frequent analyses of the ores, has latterly been most unfortunate for Cornwall. I can state with confidence, that the sulphur in combination with metals, and which is nearly always present in the Cornish ores, would, if converted into vitriol, frequently raise the value of the ores 12s, per ton, which is more than equivalent to the duty on the highest por centage of foreign ore; and many thousand tons of ore that are now thrown away as waste, could be treated with great advantage to all concerned, if the sulphur were merely turned into vitriol, for which there is an unlimited demand in manufactures, and will soon be in agriculture. The process of roasting such ores in foreign countries is not new, and I am quite sure it has only to make a beginning in some suitable locality, TIt is

REPEAL OF THE COPPER ORE DUTIES.

REPEAL OF THE COPPER ORE DUTIES.

Sin,—Much good will result from your having called attention to the more prominent points of the controversy relative to the copper ore duties—a subject on which much misapprehension, if not ignorance, has prevailed. I believe many, besides mysolf, were under the impression, that the ores of Chili, and other countries, must, of necessity, be brought to this country to be smelted, and, therefore, we might as well levy a duty upon them for the advantage conferred. But it now appears that Chili has always been a smelting country; and that, even under the system of smelting bere in bond, large quantities of ore were still smelted in that country, and the produce exported as pig copper, containing about 92 per cent. of fine copper—while, at the present time, the new smelting-works in Chili are producing copper as pure as that made at Swansea, and fit to be manufactured without further refining. These facts completely alter the case; and it is the greatest folly to continue the duty to the encouragment of smelting abroad; for all experience shows us, that we had better encounter the competition of the raw material at home, than the manufactured article abroad—for the latter will paralyse our smelters and manufacturers, and send down prices. I have said nothing relative to the works in the United States and elsewhere, though these have been called into existence by the duty, and I fear will not be stopped by taking it off. As to protecting our own mines, you disposed of this question last week, by asking, how we can protect them from foreign competition, seeing that so large a portion of their produce is sent for sale to foreign countries? This simple point ought to silence Sir Charles Lemon.—A Shareholder in English Mines: London, June 9.

SUPPOSED STRATA OF SUTTON COLDFIELD, STAFFORDSHIRE,

THORNEYCROFT'S PATENT ANTI-LAMINATING RAIL.

THORNEY CROFT'S PATENT ANTI-LAMINATING RAIL.

Sin,—In the account, given in your Journal of Saturday last, of Mr. Thorneycroft's patent rail, railway engineers and the public generally are led to imagine that all rails "manufactured on the old method" are a mere aggregation of thin leaves or sheets of soft iron (as represented in fig. 1 of the communication above referred to), possessing comparatively little cohesion, and subject to easily splinter and rapidly decay. Now, as Mr. Thorneycroft's name is not attached officially, as it were, to this notice, it will be necessary to awais the result of that gentleman's announcement of his discovery, before going into a critical examination of its merits and value; I shall, therefore, only observe at present that, with few exceptions, the "perfectly homogeneous body" of the heads of rails made in this mineral district (similar in sectional appearance to the head of fig. 2, in the notice alluded to), has generally been considered an objectionable point, on account of the hardness and homogeneous nature of the Welsh iron; upon what peculiarity, therefore, the patented discovery, or improvement in question consists, I am at present entirely at a loss to conceive. I make these few remarks, not by any means in disparagement of Mr. Thorneycroft's praiseworthy endeavours to improve the manufacture of rails, but to prevent erroneous impressions being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as to ALE RAILS being made on the minds of railway engineers and others, as

COMMUNICATION BETWEEN GUARD AND ENGINE-DRIVER.

Sir.—If a chain were used as a means of communication between the guard and engine-man of a train, as suggested by a correspondent in your Journal of the 5th inst., other persons in the train might avail themselves of the same plan for stopping the train, which, in many instances, would be highly dangerous. I would, therefore, suggest that a small electrical telegraph be placed in each guard's van, which is always the last carriage in the train, and, through this powerful auxiliary to science, numerous means for conveying the necessary and simple instruction to stop, might be given to the engine-man. An electrical telegraph, such as would be required in this case, would cost only a trifle.—C. H.: Warrington, June 7.

IRON BRIDGES.

Sin,—The late fall of the iron bridge over the Chester and Shrewabury Railway will suggest many plans for the erection of those structures, combining strength and safety with moderate cost of construction. Why might not the plan of the late Mr. Davies Gilbert be adopted?—viz.: the right angle triangle being the strongest form of given quantities of matter, let the girders be cast of such shape, and of sufficient strength to withstand the weight, or force, which they may have to bear. With respect to the exidating properties of the air and water, where every scale from a bar is a fraction of strength and a decimal of durability, every precaution should be adopted to prevent the action of those elements on corrosive metals. Your abic chemical correspondents will, doubtless, be able to suggest a lasting paint, whereby the surfaces of railway works may be kept thoroughly protected from the effects of the atmosphere.

A. T. J. Martin.

Pensance, June 8.

FLAP, VALVES FOR SEWERS CALVANISED IRON.

Sta.—The proposition, by Mr. George Shepherd, C.E., for the application of the Vulcanized India-rubber as a flap-valve to prevent the egrass
of the effluvia and gases arising from sewers, &c., is so nearly similar to a
plan which I intended to lay before the Society of Arts, three months ago,
as in its general appearances to be scarcely distinguishable from it, excepting that my flap-valves are laid at an angle in a frame, instead of being
rising and falling perpendicularly, and that the drop and throat are differently arranged. The material which I proposed to construct them of was
galvanized from, the flaps light but strong; something of this kind would
effect the desirable object sought, and although there is much difficulty in

inducing the Commissioners of Sewers to adopt even such a simple apparatus, yet the expense and the facility with which they can be applied would soon cause them to be generally adopted.

W. SMITH.

Princes-street, Leicester-square, London, Jane 7.

IMPORTANCE OF MINERAL ANALYSIS. Mr. John Mitchell, in his letter on this subject, in your Journal of

Frances-treed, Leicester-square, London, June 7.

IMPOBTANCE OF MINERAL ANALYSIS.

Siz,—Mr. John Mitchell; in his letter on this subject, in your Journal of Saturday last, very truly observes, that "the province of the assayer is, to a certain extent, exceedingly limited—he merely having to assay a stone for lead, copper, silver, or any other metal, as he may be instructed—on that it is quite evident that, if an ore be sent to him to assay for copper, essays in for that metal only, and there the knowledge of its contents is ended, as far as the assay is concerned." These just remarks are equally applicable to the examination of the ores of iron by assay—yon may thereby approximate pretty nearly to the quantity of iron such ores may contain; but as to their residuums, no information whatever is given, although in iron smelling a knowledge of such residuums, both as to antare and quantity, is of the greatest importance.

I have been urging upon the attention of ironmeanties of the sustaination and advantages that would arise from the due analysis of all the sustaination and advantages that would arise from the due analysis of all the sustaination of the sustaination of

MINERS' WAGES-AVERAGE GETTINGS.

MINERS' WAGES—AVERAGE GETTINGS.

Sir,—As a reader of your Journal for many years, I have observed several new theories broached from time to time by our commercial miners, and among other crotchets is that of average gettings. Nothing can be more fallacious as a test—average hardness of ground, work done in relation to the general expenses of the mine, and water charges, would be a far better criterion. Take two mines as similar as possible, being nearly adjoining, and which I give you from matter-of-fact just communicated.

—In mine A 30s. per fm. is given more than in mine B. The miner in B says to A, "What are ye gitting, Tom?"—A answers, "We ba'ant allowed to git more nor 40s. a maunth; ef we do, 'em charge moor for mater'ls, and reduce un down." B replies, "We can git what us loike here a'ter setting day;" and it so happened, that the mine paying the lowest wages paid most per fm. Let any one compare the general cost of a mine with the actual amount paid for sinking and driving, and he will soon see that these "penny loaf for a penny" men "save snuffs and throw away whole candles." The physical stamina of the miner, as appeared by the turn out here of several thousands the other day, is rapidly declining, where air and food are supplied in quantities too small to support the healthy action of human life. A miserable expediency undermines our physical strength, our moral power, and spiritual energy—"Live and let live" is the only motto that will stand the test of time, and be conservative of man and his best interests.—A. T. J. MARTIN: Penzance, June 8.

EDUCATION IN THE COAL MINING DISTRICTS.

Sir,—Your paper has, for some months past, teemed with letters on the ventilation of mines, many of which afford sad proof of the absence of education, even among that class who are capable of writing to a newspaper, most probably "coal viewers;" while some few specimens of the correspondence enter scientifically into the causes of the evils complained of, and suggest rational and natural modes of cure. That the people of the coal districts are lamentably deficient in the most common elements of knowledge, the daily experience of those who live among them testify; nor is it confined to the miners—many who call themselves "agents" and "viewers," evidently do not know the constituents of coal; or, how is it we continually hear things called by wrong names? In every account in the local papers, relative to explosions in collieries, we are enlightened with the information, that "the sulphur exploded"—" a lad, going into a side heading with a candle, set fire to the sulphur, which killed," &c.—and, it would scarcely be believed, in this age of the march of intellect, that agents, in their examinations on coroner's inquests, lay everything to the "sulphur." Now, Sir, your scientific readers know, that sulphur has little, or nothing, to do with it. The gas which causes those dreadful calamities, which we all deplore, is carburetted hydrogen, a chemical union of carbon and hydrogen, which, when mixed with about seven times its bulk of atmospheric air, becomes highly explosive; there may exist, in combination, some little sulphuretted hydrogen, but in that case the sulphur is united in the form of an acid, and does not partake, in the slightest degree, of the character, which the common term "sulphur" would lead the young and the ignorant to expect. Doubtless, efficient ventilation is the one thing needful for the safe, and even profitable, working of our coal mines; but to prevent the recurrence of explosions, we must have the assistance of the colliers themselves. Give the chil

tituents of the substances they are likely to come in contact with—the ature of the dreadfully explosive gases, which every stroke of the pick lisengages from the coal—the re-combinations which take place after an xplosion—and the effects of the after-damp. Let them in early life have his little chemical knowledge impressed on their minds, and instead of the morant, reckless race of colliers, which disgrace the present day, the next eneration would witness steady, thinking men, going to their subterranean abour with caution, and some degree of real science; and humanity be o longer shocked by the daily details of whole hecatombs of victims being flored up to the defices of ignorance and mammon.

Tipton, June 9.

ON VENTUATING AND WORKING OF COAL MINES.

ON VENTILATING AND WORKING OF COAL MINES.

Sux.—Your correspondent, "C. S. C." (Durham), does not, I am afraid, perfectly understand the situation intended to be held by the viewers I have proposed—therefore, will endeavour to explain to him very briefly my meaning on that subject, notwithstanding he withholds his name. In a collicy, it is always expected there should be found a proprietor, who is the control of the cont catastrophe I have just detailed. A correspondent of yours, last week, justly states—"It is beside the mark quite, to petition against the care-lessness of men;" and I can, from experience, add, to caution, or restrain, them against a wanton, or caroleas wrong. Another correspondent suggests the crection of schools at every collery; I would ask, how many children would go voluntarily?—and, further, if they would, should a child's education cease when he has reached his 10th year? Compulsion is found necessary in the factories—therefore, can it be expected to be otherwise with the children of the working collier? If, then, such a system must be made imperative, it would require mature consideration to prevent an arbitrary effect upon the collicy; but where is there a more illiterate body of men than themselves?—or one with such abundant opportunities?—or the same time to devote to social improvements?—and yet so cruelly neglected? This, then, calls for a special, yet mild, interference; it may seem a trifling matter to legislate for them, but it will be found a particular and important deliberation. To Lord Ashley, and our other great philanthropists, there is open a field of gross ignorance, of which I should say there is not a more consummate specimen in the kingdom. Much has been done for the factory children, by giving them time for a social amelioration; but here is an immense class of men, women, and children, without education, and, I may nearly add, civilisation—a class possessing more time, that they can call their own, than any other labourer in the land, and well paid withal for the time they do labour. Surely, this is the prize object for the philanthropist! I have received a private letter from Mr. Storey, which I have replied to; and if Mr. Storey remains true to his first proposition, I shall have pleasure, at a future time, in laying the result before your readers.

Having explained this matter, in accordance with my views, to the public, I shall, on future occasions, trespase less on your valuab

10

an fio the pro on sea me jus sur the pro ira

ping that other gentlemen of practice and experience, will not withhold information they have accumulated, and the conclusions they have are at at, affecting this most important subject; and, at the same time, and eight and influence to their opinions, by attaching their names in full. Aligon Hall, near Charley, Lancashire, June 3.

J. Darlington.

GOVERNMENT INTERFERENCE IN MINES.

GOVERNMENT INTERFERENCE IN MINES.

Str.,—I had a clear notion what was veiled beneath the vague expressions, proceeding from the north on Government inspection, but I am cautious of mere surmise, and like the object to be revealed. Balanced and inconsequent sentences, without dividing premises from conclusion, are used most when the concealed object is most personal, and that which I before supposed; one correspondent this week has explained. He asks, whence will the Government inspectors be provided; he imagines the Government will not go to Lancashirs. Not the Athens of coal-fields—Newcastle—whence, certainly, not the best letters on ventilation have been dated, must supply this public beneft. In that happy spot, and its vicinity, are "young goutlemen" in multitudes, at three in the morning, who go down coal pits—a nursery of lively shoots, ready for transplanting through the kingdom. The soil whence these are set, ready to yield more, will furnish again its interesting harvest, under the instruction of the young gentlemen, and their successful prospects; but I scarcely can consent that she whole mining interest is to be taxed per ton to find them situations. If intellect has overstooked the market of the north, the legitimate remedy is to brend a less supply. In that case we should see less painful anxiety for the state of the working collier, though certainly they would lose the disinterested supply of petitions. I respect the geological reputation of of Sir H. De la Beche, and Dr. Lyon Playfair's acquirements, and believe they have performed the task of their reports as well as men of general avocations can accomplish an impossible business. There is a model for public documents, one necessarily like another, and it is a difficulty in these days of great publicity to find leisure for accurate thinking on a question of much scope; this may prove an excuse for my quoting the following passage, and for the commissioners writing it—"Proper persons being appointed as superintendents (and, if improper, their def

"A work that must be carried of For ever doing, yet never done As if inspection were intended, For nothing else but to be men

"A work that must be earried one."

As if superious were intended."

This is exactly the result that I pointed out some weeks past must follow on legal experimentation—each change will have to be amended, and each amendment will make the matter worse, until the last state of these things is worse than the first. Where is to be the court of appeal for these "deficiencies?" If inspection have any object, it is conclusive to provide us a controlling authority, a resource in difficulties, something better than ourselves. Give us the authority that is to decide upon insufficient inspectors, and we shall consent to submit to be unprovided with the latter.

It is, therefore, absolutely contemplated to provide incompetant agents, and turn our works to trial places for "young gentlemens" abilities, to be removed after proof of their capacity for mischief. "Yery well meaning young man—very hard upon him—has a sister dependent on his prospects—quite an oversight," &c.—so, out of pure benevolence, another inspectorship will be provided somewhere else to try if his incompetence be improved. Are fire, air, and water, so peopled with the denizens of Government patronage, that we must be burdened with a gnomadic race?—and the places being peopled in the lights of day, must it be commenced, yet living, to make men appointments underground?

I am certain the common sense of the uniting interest will make a stand on the proposal; and the same faculty of the Legislature will see the propriety of it; and it cannot be too strongly condemned that views are in contemplation for disturbing the position of master and collier, by introducing among us that faction on education which distracts the State. Well might the first of political economists exclaim to his monarch—all manufactures need, is to be let alone—" Protect us from friends." A petition has been carried about amongst the colliers; why should the owners not petition likewise? If that most highly indefinite of all terms—" deducation where highly indefinite of all terms—" deduca

That your petitioners view with alarm vague proposals for appointing Government inspectors to mines—to enforce which, petitions have been prepared, and circulated. That there is no difficulty in obtaining signatures from persons in the class of the working collier, by promising a prospective benefit for the act of writing a name. That the working of coal is naturally attended with danger and difficulty, in common with navigation at sea, and other pursuits. That if due examination be made of the danger attendant on getting coal is deep shafts, and extensive excavations, yielding inflammable air, explosive and destructive as gunpowder, with other deleterious gases, the hazards in extracting measures, varying from less than 2 ft. to more than 30 ft. in thickness, under the enormous pressure of superincumbent strata, with risk from great bodies of water in subterranean springs, and considering the vast quantities of heavy matter raised by ascent and descent, through depths of several hundred yards, with rapid and complicated machinery, necessary to effect a combination of objects, it will be found, that in proportion to the multitude employed, and the hours of labour, the casualties are less than in any other dangerous employment. That an explosion, involving loss of life, in a peopled district at peace, and in apparent safety, is most distressing to humane feelings, and justly so; but that your petitioners deprecate attempts to create therefrom undue prejudice against them, and to make such calamities available to interested parties, to introduce faction between master and collier. That sage the same content of the proposal contents are contents to make such calamities available to interested parties, to introduce faction between master and collier. That sage appropriate are peaced in the casual contents and colliers are also the proposal contents and colliers. centre therefrom mude prejudice against them, and to make such calamities available to interested parties, to introduce faction between master and collier. That such attempts can only breed ill-will, and divert attention from the true sources of mischief, and their proper remedy. That the best modes of working mines are not thoroughly agreed on, even by practical men, and, therefore, the greatest caution is necessary in legislating on them. That there is a variety of energy and capacity in all men, and some works must have the disadvantage of inferiority in their management; but to make laws for all, by the standard of the worst, will be unjust and deteriorating. That your petitioners will not object to any measures devised to atimulate the negligent, if such negligence is proved; but they have never seen a proposal for inspection, which had the slightest promise of being effective, and request, therefore, great consideration before framing changes, which may prove pernicious as well as fatile, &c., &c. "Measure twice and cut once," is an old provert of compendious import. What connection, may I ask, has Mr. Thomas Duncombe with mining?—Is it because much coal is burnt in Finsbury? D. Musingr. "Gloucester, Jane 2.

HYPOTHESES ON IRON.

HYPOTHESES ON IRON. Sin,—In answer to "Ferreus," the crucible. I employed in my experiments was of common Stourbridge clay, coated internally with pure carbon (ignited lamp black), so that the outer clay merely acted as a support for the inner charcoal crucible; it will, therefore, be evident that the iron I submitted to experiment was in contact only with carbon. The black-lead crucible, mentioned by Dr. Ure, cannot mean a Hessian crucible; it merely means a clay crucible, into whose composition a considerable quantity of black lead enters—so that it has great analogy to the charcoal crucible I am in the habit of asing. I shall be glad to receive the sa which "Ferrens" is so kind as to promise me, and I will take the es opportunity (compatible with my professional engagements) to ext and report upon their relative values as to carbon, as well as any samples I may receive.

"Ferrens" has, I think, misunderstood my statement as to the exist of the mealthing allows in the carbon of the mealthing allows in the carbon.

"Ferreus" has, I think, misunderstood my statement as to the existence of the metalline alloys in the ores submitted to the blast furnace. It is impossible that they can pre-exist in the ore; but, when it does contain the oxides of the metals in question, the latter, present in the reduced iron, are derived from the alumina, lime, &c., existing in the ore, and not from the limestone added in the course of the operation. I may mention that the term alloy is used by chemists in reference to mixtures of metals, and not to mixtures of their oxides, or other compounds—the chemist recognizing no mixtures of bodies, excepting the metals as alloys; therefore the metalline alloys cannot pre-exist in the ores, because the latter contains no metals in that state which is generally understood as metallic, but only in the state of oxide.—John Mitchelli. Huwley-road, June 7.

CHESTER AND SHREWSBURY RAILWAY BRIDGE.

CHESTER AND SHREWSBURY RAILWAY BRIDGE.
RESPECTED FRIEND.—I was certainly much surprised to learn that this bridge was constructed with east-iron beams, or girders, upwards of 96 ft. long, and only 3 ft. 9 in. deep. I am not aware of their particular form; but, for illustration sake, let it be supposed that they are parallel beams, 96 ft. long, and (say) 4 ft. deep, with flanges on each side of the top and bottom, projecting (say) 6 in.—the whole averaging in thickness 2 in.—this would make the sectional inches equal to 144 inches. Let it now be supposed, that the beam, or girder, be 96 ft. long, 4 ft. deep, containing I 44 sectional inches, which would be one superficial foot in every inch of its length, the weight would be about 20 tons. Now, that weight in such a beam would occasion a pressure at the middle of 240 tons; the engine and load of (say) 30 tons, uniformly spread over the whole length, would occasion an additional pressure of 360 tons; and suppose the ballasting, timber, rails, &c., to be 20 tons, this would further add apressure of 240 tons. I imagine two of these beams, made to suxtain these several loads—the weight of which to be 20 tons cach, or 40 tons; the engines, carriages, &c., 36 tons, equal to 360 tons; ballasting, 20 tons, equal to 240 tons—making, together, a strain, or pressure, at the middle of upwards of 1000 tons. Now, let us see what is the capacity of such beams. As the lower half of the beam is the part that sustains the tention, and the upper half she compression, effects of the load, we have in both beams 144 tension sectional inches; then suppose the tension of cast-iron to be equal to about 10 tons to the inch—although I think about 8 tons as afer calculation—this would give a sustaining power to the breaking point of nearly 1500 tons. According to Tredgold, such a beam ought not be loaded for perfect safety with more than one fourth of its capacity. First the view of the chester Bridge sustained a pressure of upwards of 1000 tons, or more than double Barlow's safety proport

LAMPS.

SIR,—A communication in your last Journal is a vague attempt to make "the worse appear the better reason." It is admitted, by your correspondent, that not a few of so-called "safety lamps" were projected by him, and, if not abandoned in succession, what has become of them, or where are they now severally employed? or, do they belong to several degrees of comparison? It is admitted, that the lamp exhibited before the Commons' Committee did not pass through the ordeal successfully, and was put hors de combat. The test was under skillful direction, and Upton and Roberts' safety lamp withstood that test. It is not denied that the principle in the last projection is IDERTICAL with that of Muesseler. It may be quite true that Muesseler's lamp is more rude in its construction, and less highly polished, than its counterpart—it is the PRINCIPLE which is the question at issue. I am no unapire in that of PRIORITY of invention, the parties must settle that affair between themselves.

The sneer of your snarling correspondent—"theoretically, of course, for we never hear he makes any experiments"—I consign to sovereign contempt. I have been an experimentalist, Sir, all my life long, and have laboured more assiduously at the bar of experiment, in the laboratory, &c., than my antagonist can protend to. The public has long ago assigned me full credit for being a successful experimenter, and, as any rate, your correspondent is not qualified to impun the verdict. I must leave him, however, to settle accounts with "An Owner of One of the Collier iss," &c., and "Verians." I shall not disturb his self-complacency again, since I cannot administer an opiate to his irritability.

Portland-place, Hull, June 9.

[Errara.—In the Waste Lands of Ireland, read fence, not hence, Montfacon and Marenme.]

BIRAM'S OBLIQUE PADDLE-WHEELS Sir,-Will you allow me space to correct a wrong pression which Mr. Walkinshaw has imbibed, as to the extra breadth which would be required at the after extremity of the wheels of my oblique paddles. The accompanying sketch shows the outline of a vessel-the half A being fitted with the common paddle, and B with the oblique paddles, by which it will be seen, that the breadth of the vessel at the aft extremity of the wheel, is not intended to exceed that required by the ordinary paddle. The wheel, from being so narrow, admits of being supported in a most sub. stantial manner at the inside; whilst the outside framing would only be necessary to protect tact with other vessels, piers, &c. B. BIRAM. Wentworth, May 31.

RAILWAY COMMUNICATION BETWEEN EDINBURGH AND LONDON.—As soon as the Newcastle and Berwick Railway is opened, the whole distance between the two capitals of England and Scotland, by express trains, will be accomprished in 18 hours.

CRIMPLE VIADUCE.—This magnificent viaduct will, when completed, form one of the most wonderful of the achievements of science in railway construction in the kingdom. Its massy towering piers are now all reared, and its lofty expansive arches, stretching their wide corrections on the deep glen, will shortly be brought to a close. Those of our readers who may be unacquainted with this structure, may feel somewhat interested by a brief description of its situation, and an accurate admeasurement of its gigantic form. It situation is about a mile to the south-east of Harrogate; it is intended to convey the Harrogate and Church Fenton line of railway scross the Crimple Valley. The viadnet consist of 31 arches, each of \$22, man, and the loftiest are 130 ft. in height. The piers on which they reet; 32 in number, are about 30 ft. each in thickness at the base, and are composed of immense holes of hard granite. The top of each pier, immediately beneath the springer, is 8 ft., and the quoins 4 ft. in thickness. The abuttents are thickly finance, and old by lofty embankments. The line at the south end is carried through a long deep tunnel; while at the opposite extremity it proceeds along a deep rocky cutting. The whole length of the masonry is about 1856 ft. Between the first and second buffvesses at the south end runs the line of the Leeds and Thriak Railway, witich is carried dong the mountain side a considerable distance, and afterwards thrown across the value by another viaduct, which, however, appears very dimunitive compared with the one described above. Che part of the valley over which the monster viaduct is thrown, is a beautiful and romantic little defic between two high rocky mountains, whose siteep and rugged sides are covered with a profusion of heath, brushwood, and ether kinds of

AITREM'S IMPROVEMENTS ON THE STEAM-ENGINE.—Mr. J. Aitken, of Newman-street, has taken out letters patent for an important improvement in the steam-engine, by constructing what he terms an atmospheric cylinder placed either over the air-pamp, or in any other convenient situation which may be fixed upon, with the view of easing the load on the latter, which is very serious in all engines. Through this atmospheric cylinder all the condensing water passes on its way to the condenser; atmospheric pressure is thus given to the piston, and the load of the nir-pump counteracted. The action of the air pump abstracts a considerable portion of the power of every description of condensing engine during the space the load is on; but in direct action, or pumping-engines particularly, where there is no fly-wheel to equalise the load, the advantage of the atmospheric cylinder will be great; for steam, equal to the load of the engine, and of the air-pump, must be supplied from the beginning to the end of the stroke. Supposing the air-pump to be 34 in. in diameter, the pressure on the piston would be 12,700 like at each stroke. Mr. Aitken estimates, that the use of the air-pump being counteracted, the engine will work more steadily, and more safely. Another advantage of this additional cylinder is, that it extracts the air from the water on its way to the condenser, before it becomes expanded by the heat of the steam; and the lowest benefit observed from this cause, was an improved vacuum in the condenser to the extent of three-quarters of an inch of mercury. A greatly-increased quantity of water may be admitted to the condenser without fuconvenience to the engine, the atmospheric cylinder giving power to discharge it from the air-pump in proportion to the quantity passing through it. The principal advantages arising from the application of the new cylinder are estimated as follows—viz: 1. The steam cylinder is relieved of the load of the air-pump.—2. The vacuum of the condenser is greatly improved.—3. The movement of the resist AITHER'S IMPROVEMENTS ON THE STEAM-ENGINE .- Mr. J. Aitken, of

tion of the new cylinder, is estimated at 22½ per cent.

**CUNNINGHAM AND CARTER'S ATMOSPHERIC RAILWAY.—This is a plan of railway propulsion which, taking the atmospheric system for its basis, works out the details of transit in a manner totally different, we believe, to any thing yet attempted. The earriages run upon lines of rails laid down as usual; but their propulsion is effected through the medium of "traction rails," which are attached to, and carried along with, the carriages themselves, and derive their motive power from being brought into contact with the peripheries of a succession of revolving horizontal wheels, and placed in sets of three each, at distances of about 300 ft. apart—one wheel being placed outside of each line; and the third, between the two lines—and all three connected by bands, and put simultaneously in motion by horizontal air-eugines, connected with the main or vacuum tube. The patentees claim as advantages, that the propelling wheels shall always run free of the rails on which the carriages run—that the number of revolutions of the propelling wheels, and the degree of adhesion, may be increased or diminished at pleasure—that the starting of the trains one after another may be so regulated, independently of the drivers or guards, that it shall be impossible for one train to overtake and come in collision with another—that the same train may be moved in either direction without any change of position being requisite—and that the cost of working and maintaining the same and the carriages shall be much lower than any carrying establishment on the locomotive system.

**CLAASEN'S IMPROVEMENTS IN RAILWAYS AND CARRIAGES.—The object of these improvements is, to render it next to impossible for a train to

CLAASEN'S IMPROVEMENTS IN RAILWAYS AND CARRIAGES.-The ob CLAASEN'S IMPROVEMENTS IN RAILWAYS AND CARRIAGES.—The object of these improvements is, to render it next to impossible for a train form of the rails, or for any serious catastrophe to result from the breaking of an axle. For this purpose, he places in the centre of each pair of rails a centre rail, much more elevated than the two side rails, and attaches to the bottom of each carriage one or two sets of rollers, one placed horizontally, so as to come in contact with the upper surface of the centre rail in the event of an axle breaking; the other two placed vortically one on each side of the centre rail, to prevent the carriages swarving to either side. These rollers run always free of the centre rail, except any accident occurs, or the making of a sharp curve brings them into action. This centre rail, the outer rails, and the sleepers, are all strongly tied, and fastened together by mortices, tenone, and iron plates, at intervals; the rollers are accurately turned, and have their bearings in brases, firmly screwed to the timbers; and the whole is so arranged, that either in the event of the breaking of an axle, or a tendency to run off the rails, the centre bar may act as a complete safe-guard. Much sharper curves, too, may be run over by this arrangement, as the centre rail would counteract the danger arising from the centrifugal force.

These of Rahway Wheels.—The following remarks have been com-

by this arrangement, as the centre rail would counteract the danger arising from the contribugal force.

There of Rahway Where, The following remarks have been communicated by a correspondent ("X. Y. Z."), to the Railway Record — "It was given in evidence, at an inquest recently held to decide upon the fatal results of an accident which occurred on the Great Western Railway, that the fracture of the steel tire of the driving wheels of some of their locomotives was by no means an unusual occurrence, and that even those tires sometimes snapped when the engines were not running. The dreadful effects of the accident in question make it evident that nothing should be omitted by which risk may possibly be mitigated; and to this end, among, probably, many better suggestions, I beg to offer the following, both as respects the cause and its removal. These steel tires are dovestalled into the iron wheel; and being let in hot, it appears to be assumed that the sledge hammers of the forgers will cause the two metals—steel and iron—to become properly welded together. Now this, Sir, I venture to dispute; on the contrary, I am convinced nothing like areal comentation of the two metals will be effected. If this assumption be correct, it necessarily follows that the iron felloes of the wheel will be surrounded by a distinct steel hoop. Now, the transverse section and body of hoop is very small, compared with that of the folloes, or iron rim, of the wheel—consequently, under the enormous pressure of a Great Western locomotive, the steel hoop will have a tendeucy to roll out longitudinally more than the iron rim of the wheel; and, so rolling out or stretching, it must either fracture the felloes, or the iron rim itself, if it is let into its dove than the iron rim of the wheel. If this latter be the result, we know that the wheel and the steel tire cannot, without a jerking back of the tire, make the same number of revolutions in any given distance. A tire we enlarged, on an iron wheel, will, when the wheel is in revolution with diameter than the felloes of the wheel. But when, frem any cause—such as an increase of speed, or at some portion of its bed where the steel rim fits tighter—this kind of slipping of the larger outer rim on the smaller inner one, can no longer be maintained, the outer, that is, the steel rim, must snap, and its fractured pieces frequently fly off with great force. But it is stated that these tires sometimes snap when the engine is not in motion. Here the laws of expansion and contraction, probably, come into action. Supposing a scell tire not to have been rolled out, as previously assumed, in running; then, when the engine comes to a state of rest, the wheel will begin to discharge into the atmosphere the extra amount of heat it has acquired during its rapid journey; and, though the contractive forces of iron and steel are, in like conditions, nearly the same, yet, the tire being the outside, will cool faster, and contract at first more than the body of the wheel; and hence it will be likely enough to snap, particularly when the hardness of the steel is considered. The converse of all this even might account for the flying off of these tires when running, without supposing there were any rolling out of the metal under the enormous load of the engine, with all its hammering on the rails. Now, if the commentation of the steel tire and the iron felloes of the wheel were perfect, the risk of all such accidents would seem to be obviated; and this occasions me to mention, that I some time back observed that a patent had been taken out by a Sheffield gentleman—I think of the name of Sanderson—for welding a steel plate, of sufficient thickness, on an iron bloom, and then rolling out into bars. In fact, it seemed to me that this was a plan for plating iron with steel, precisely on a similar method with that of plating copper with sliver, as long practised in the well-known Sheffield plated ware. I have not been in the way of learning whether this patent has been successfully worked out; but it appears to me it might be

EXPORTS OF COALS, METALS, &c.

e metalica

of the exports of the

Articles	1845.	1846.	life to	1847.	
Coals and culm	£161,457	 £220,800		£174,215	
Hardware and enthery	496,367	 522,306		517,457	
Machinery	120,146	 209,230		307,712	
Motals-Iron and sieal	558,614			907,923	90
Copper and brass	417,973			430,173	
. Lead		29,467		41,617	87
Tin, unwrought			*****		
Tin-plates		107,556			(%)
Salt	32,464	 38,057		49,728	

BRITISH MINING OFFICES 41, MOORGATE-STREET, LONDON.
Silver-Load Mines in Cornwall, Devon, and Wales, have lacely

than the amal attention of capitalists to their immense wealth, and the large de by an efficient application of capital; while the increased knowledge of c vast improvements in the ateam-engine, and the commany in working, to-the low price of materials, make there a source of greater and more certain at any former period—thereby constituting them a legitimate, asie, and pro-sment.

gather with the low price of materials, make them a source of greater and more certain profit than at any former period—thereby constituting them a legitimate, safe, and profitable investment.

These offices have been established at the suggestion of several gentlemen connected with the mining interest, and who have long been impressed with the conviction, that a desideratum, such as the present, is essential in promoting the objects of those who may embark in mining pursuits; and, when it is considered that there are large tracts of rich mineral ground unexplored, where money, judiciously laid out, would produce very hand-some profits, there can be no doubt but that such offices will be found highly beneficial to the mining interests—whether considered with reference to the lords or adventurers.

Mr. J. B. Clymo, of Corawall, who is acknowledged to be a scientific and practical miner, will be in attendance at the offices (unless when required for the purposes of surveying, &c.), and will give the fullest information as as the respective mines, as well as upon mineral generally, on application personally, or by letter. It is further intended, for the satisfaction and security of those who may confide their interests to this Office, that all Mineral Property shall be thoroughly examined and reported upon by respectable and competens mining agents, previously to the investment of capital.

A "finance committee "will be appointed from the body of shareholders in each mine, in whose names the funds will be paid into the banker's hands, to defray the expense of working; and as the "Cost-book Principle," under which the best regulated mines in Corawall have been advantageously managed, will be strictly adhered to, the shareholders will be subject to no liabilities, inasment as the accounts will be antited on the shareholders and each particular mine will have the entire management and control thereof, at the meeting called every two months, whether present or by proxy.

A "Begister-Book," for the Purchase and Sale of

secessary arrangements for conducting the correspondence, and affording such in on as may be sought by parties residing either in London or the country, have uppleted, and are such as, it is presumed, cannot fail to secure the support are two of all those whose object is the acquisition of accurate data connected with

ng operations, ghily respectable agents have been appointed in the principal towns in the kingdon he allotment of original shares in the different mines, the affairs of which are con

ther particulars may be obtained on application at the Offices, 41, Moorgate ondon.

THOMAS HENRY TAUNTON, Secretary.

TUROPEAN GAS COMPANY.—Notice is hereby given, that the ANNUAL GENERAL MEETING of the proprietors will be HELD on Thursay, the lat day of July next, at the hour of Two o'clock precisely, at the office of the mapany, 29, Finsbury-circus, London, pursuant to the provision of the Deed of Settlement. Two directors retire by rotation, but, being eligible, will be proposed for rejection.

By order of the board,

J. B. GREAVEN. J. B. GREAVES. London, June 14, 1847.

London, June 14, 1847.

ILVER VALLEY MINING COMPANY.—At the Annual General Meeting of shareholders, or adventurers, held at the offices of the comany, 44, Finshury-square, on Friday, the 11th inst., pursuant to circular, RICHARD HODGSON, Esq., in the chair, and that of F. M. Johnson, Eaq., were submitted, as also the secounts of the company. Resolved,—That the reports and accounts now submitted to the received and adopted, and shorted in the cost and transfer book.—Carried unanimously. Resolved,—That Messrs. Goodhart and Sinith be re-elected anditors for the ensuing axr.—Carried unanimously. That the shanks of the meeting be given to the chatrman and directors for management of the company's business.—Carried unanimously. Resolved,—That the thanks of the meeting be given to the chatrman and directors for another than the thanks of the meeting be given to the duffors for their attention and ling the accounts of the company.—Carried unanimously.

a anditing the accounts of the company.—Carried manimously.

RICHARD HODGSON, Chairman

A vote of thanks to the chairman for his services in the chair, and the interest mented by him in promoting the objects of the adventur rs, was passed.

CAST OF SCOTLAND MALLEABLE IRON COMPANY.

LAST OF SCOTLAND MALLEABLE IRON COMPANY.

—At a Meeting of shareholders of the above company, held in Glasgow, on the thinst, at which 3560 shares of the stock were represented, the following RESOLU-ONS were unanimously adopted:—

I. Resolved,—That this meeting, having regard to the terms of the minute of the discuss of 2d March last, which was read to the special general meeting, held on the 20th, in which they agreed to entertain flavourably the proposed arrangement with the 2th Iron Company, have learned with much surprise and regret, that a proposal enjy affecting the interests of this company was so aummarily dismissed, without even ulting for the report of the engineers, ordered by the directors, as to the value of the tworks.

works.

Headwal.—That it is the opinion of this meeting, that the proposal made for a ting the two companies, or for purchasing the Forth works, coupled with a g of 10 per cent, for a limited period, would not only be highly beneficial, and on be been entartained, but that such an arrangement is essential to the success

s been entertained, but that such an arrangement of the company, the company, coolved,—That this meeting agree to forward a requisition to the directors, received,—That this meeting agree to fish company, to consider the propriety feating the Forth works on equitable terms, and that the directors be requested to a tienselves, previous to the said meeting, with the report of Messra. Geddes and a or other competent engineers, as to the value of these works, coelved,—That this meeting appoint Messra. Andrew Christy, Andrew Walker, and Cochruss, as a committee, to carry these resolutions into effect—Mr. Cochrusty, and the company of the company of

CALEDONIAN RAILWAY—LOANS ON DEBENTURES

ALEDONIAN RAILWAY—LOANS ON DEBENIURES.

—The CALEDONIAN RAILWAY COMPANY are prepared to RECEIVE TENRS of LOANS on DEBENTURES, in sums of not less than £500, for three or five
ms, bearing interest at the rate of 5 per cent, per amum, payable half-yearly, in
inburgh, Glasgow, Lorskon, Liverpool, Manchester, or Bristol.
readers to be addressed to this office.—Parties may also communicate personally with
sers. Foster and Braithweite, 68, Old Broad-street, London.

By order of the directors,
D. RANKINE, Treasurer.
aledonian Railway Office, 122, Princes-street, Edinburgh, March 26, 1847.

OUVAIN à la SAMBRE RAILWAY COMPANY DUY AIN A IA SAMBRE RAILWALL OMPANT.

DIRECT TO NAMUR AND TO CHARLEROY.

directors beg to give notice, that the SECOND ANNUAL GENERAL MENTING
spholders, to be HELD AIR Brussels, will take place at their offices, No. 146, Rue
s, on Tuesday, 29th June inst., at Twelve o'clock soon precisely, on the general
so of the company.

his occasion, the various resolutions passed at the second London annual general
g, held on the 11th May last, at the London Tavern, Bishopsgate-street, will be
to ferward for discussion and continuation.

JOHN BARNES, President,
GEO, DANCE, Secretary

The attention of the sharcholders is invited to the following extract from the starflucture of the company:—

of the company :
sele 35. - Every molder of ave shares shall have a right to attend the general meeting.

moder of five shares an ordinary or special one determined by the council of administra Article 27.—In order to be admitted to the article 27.—In order to be admitted to the article 27.—In order to be admitted to the article 27.—In order to the article 27.—In order to the admitted to the article 27.—In order to the a

parties present at the general meeting, who are the holders of powers of attorney, lao deposit their powers within the same period, and the ecretary, or the aforesald ted person, will give a receipt for the same to the depositor.

Threadscedic-street, London, and 146, Rue GEO. DANCE, Secretary.

Royale, Bruxelles.—June 7, 1847.

THE PATENT SAFETY FUSE,
FOR BLASTING BOCKS IN MINES, QUARRIES, AND FOR SUBMARINE
PERACIONS.—This article affords the SAREST, GHEAPEST, and most EXPEDICOUS MODE of effecting this very hazardous operation. From many testimonies to its
seminess with which the manufacturers have been favoured from every part of the king
on, they select the following letter, recently meaved from John Taylor, Ea₁, F.R.S.,
... "I am vary glast to hear that my recommendations have been of any service to
us they have been given from a therough conviction of the great usefulness of the
diety frame; and I am quitte willing that you should employ my name as avidence of this.
Manufactured and sold by the Fatentess, BICKFORD, SMITH, and DAVEY, Gard

PATENT IMPROVEMENTS IN CHRONOMETERS, WATCHES, AND CLOCKS.—E. J. DENI, 88, Strand, and 22, Cockspur-street, which and clock maker, BY APPOINTMENT, to the Queen sind his Royal Highness rince Albert, begs to acquaint the public, that the manufacture of his chronometers, stakes, and clocks, is secured by three separate patents, respectively granted in 1886, 40, 1842. Biver lever watches, levelled in four holes, § gs. sech. in pold cases, from the contract of the

GLOUCESTERSHIRE—containing ONE MILLION TONS OF COAL, and O HILLION TONS OF rich IRON ORE, which, being calcurcous, amelts well with any consistence, and may be delivered to large quantities to the Stanfordshire, Shropshind Welsh from works, at a griss far below the cost of local promotones. The mines trainable by level, and can be opened at a trifling expense; and, were blest-furn rected, their produce might be smelled on the spot into excellent from—Apply to said) to Henry H. Fryer, Esq., soligior, Coleferd, Gloucestershire.

NORTH WALES.—TO CAPITALISTS.—A VALUABLE SLATE QUARRY ON SALE.—TO BE DISPOSED OF, BY PRIVATE TREATY, all that valuable property, known by the name of the GWANAS SLATE QUARRY, situate in the parish of DOLGELLY, in the county of Merioneth, with the BUILDINGS, MACHINERY, TOOLS, and other IMPLEMENT'S belonging thereto, comprising Two Buildings, capable of lodging 50 workman; an Office, for use of manager; a Machinehouse, with machine complete, for sawing fings; Powder Warehouse and a Smithy, with smith's tools and other implements; also Waggons and Sledges; and a quantity of Iron, for the formation of railroads, &c.

The quarry is advantageously situated, within 4re miles of the flourishing town of Del-

Buildings, capable of lodging 50 workmon; an Office, for use of manager; a Machinehouse with machine complete, for saving flags; Powder Warehouse and a Smithy, with smiths' tools and other implements; also Waggons and Sledges; and a quantity of Iron, for the formation of ratiroads, &c.

The quarry is advantageously situated, within five miles of the flourishing town of Delagolly, six miles of the equally flourishing town of Duiasmouthy, and seven of the quay of Fenmenpool, from whence there is a water conveyance to the port of Barmouth—distant five miles. A railway, or trammod, could be formed to the above-mentioned quay at a very moderate expense—the ground being quite favourable the whole distance; if one was made, it would greatly reduce the cost of carriage.

The land in the holding of the passent proprietors, and of which a man, or ground plan, can be obtained on application (copied from the lease under which the land a held), extends in length 1100 yards, and in breadth——, and consists of the ridge of a mountain, formed by the veries of state, affording most peculiar advantages for the working of the quarry at a very mederate cost, as well as the extension of the works at pleasure—having on such side of the ridge a proceptious fall of 180 yards, for the discharge of waste and rabbish, and the flow of water out of the quarry, and which will always render the construction of expender machinery unnecessary (which is, of course, a very destrable object), and, in consequence, greatly lessen the cost of working it. Levels, or driffa, can be driven from either side of the mountain to the vin, which is in imbedded in it. There are at present three age hovels; at the end of each is an open space, 20 yards, squarrand 25 yards in height—from all of witch excellent slate is procured; these levels and openings will be serviceable in progressively working the quarry for several years to come; they have cost the present proprisions a large sum of money. The lower parts to the quarry, which is now cleased, and has just b

having become denaulters, and the handuny of the present nomers to pay up this sum, that it is now offered for sale.

It is also the opinion of an able missing enginear, whose professional advise has been betained, that one portion of the quarry—viz., to the depth of the main level aiready made across the vein—contains a mass of rock, which, by yielding one-fourth of the quantity of slates produced in duchesses and faddes, is worth many thousand pounds sterling; and that, if a part of the above-mentioned sum was expended in driving another level, and forming another opening, 90 yards below the present ones, sufficient space would be given for the working of 73 men, or 13 bargains.

The following is the method of working the principal slate fourtries in this country—the working are formed into companies of six men, called bargains; each company or argain procure slates to the value of £30 per week, over and above the amount of their rages (it is supposed this plan could be followed here), each bargain will thus produce bout £1000 per annum clear profit, as the following calculation will show:—

Produce of one bargain (or six men)

TO BUILDERS, IRONMASTERS, AND OTHERS.—The directors of the COMMERCIAL GAS-LIGHT COMPANY will meet at the works, Ben Jonson's-fields, Stepney, on Wednesday, the 23d day of this present month, to RECEIVE TENDERS for the ERECTION of COAL STORES, with IRON ROOFS, of an area of 12,000 feet, with LAY-BYE adjoining.

Plans and specification can be seen, and particulars obtained, on application to a large of the control of the con

TEAM TO INDIA VIA EGYPT, MALTA, ITALY, ALEXANDRIA, AND THE PENINSULAR PORTS.

PASSAGE TO BOMBAY, MADRAS, AND CALCUTTA.

The Peninsular and Oriental Steam Navigation Company BOOK PASSENGERS for CEYLON, MADRAS, and CALCUTTA direct, by steamers leaving Southampton on the 20th, and for Alexandria, ea roate to Bombay, on the 1st of every month.

A steamer from Southampton leaves the 1st and 30th of every month for Malta, whence are steamers to Naples, Genose, Civeta Vecchis, three times a month.

STEAM TO CORUNNA, OPORTO, VIGO, LISBON, CADIZ, AND GIBRALTAB. A steamer leaves Southampton on the 7th, 17th, and 27th of every month. Apply at the Peninsular and Oriental Steam Navigation Company's offices, 51, 8t. Mary Are, London, where only passages can be secured throughout.

STEAM COAL—WITHOUT SMOKE, as per experiments made at her Majesty's Dockyard, Woolwich.

CAMERON'S COALBROOK STEAM COAL, AND SWANSEA AND LOUGHOR RAILWAY COMPANY.—(Completely Registered and Incorporated.)

OFFICES—2, MOOREATE-STREET, LONDON.

The directors are now prepared to supply steam ship companies, manufacturers, hippers, and others, with the company's steam coal, either at the company's wharfat Swanses, or in London. A statement, showing by comparative trial the superiority of this coal for steam purposes over every other, and a seale of prices, may be had on application at the company's offices here, or at their wharf at Swanse.—March 18, 1846.

SMITH AND ENGLISH (LATE ANDREW SMITH),
PRINCES-STREET, LEIGESTER-SQUARE, LONDON,
ENGINEERS, MACHINISTS, IRON AND BRASS FOUNDERS, &c., &c.
PATENTEES and MANUFACTURERS of Improved Steam-engines, Rapid Steam Generators, Railway Wheels, Rails and Chairs, Propellers for Canal and River Navigation ROPE-MAKING, FLAX-DRESSING, AND OTHER MACHINERY,
Raising and Lowering Machines, Wharf, Warehouse, and Track Cranes, Trainway, Traversing and Stationary Purchase Crabs, Tackle, &c.—Also, Steam-engines and Boliers, of various constructions; Bone, Sugar, and Mill Work, and Machinery of every description manufactured and repaired; Saw-mills, Broweries, and Factories attended.
PROJECTED RAILWAYS.

MINE AND COLLIERY PROPRIETORS, SLATE QUARRY OWNERS, RAILWA-ONTRACTORS, IRONMONGERS, DEALERS IN GUNPOWDER, AND OTHERS.

MESSRS. JOHN HALL & SON, the PATENTEES AND SOLE MANUFACTUREDS OF SCHÖNBEIN'S PATENT GUN-COTTON, Respectfully state, that they are now propared to SUPPEY the PATENT GUN-COTTON (compressed for the convenience of carriage), in round and square paper cases, of 4 cose cach, packed in boxes, containing 50 and 100 cases each, at the price of 3s. per lb., for ready money.

Also, in takes or eartridges of... 1, 1i, 1i, 1ii, 1ii, 1ii, 1iii the diameter;

Also, in takes or eartridges of... 1, 1i, 1i, 1ii, 1ii, 1ii, 1iii the diameter;

Containing ... 9, 4, 6, and 8 onnees each, at the Additional charge of ... 1, 1i, 2, and 2j pence, each take or eartridge for bleating in slate quarries, paper takes will be supplied, 3 ff. in length, containing 1 cz. of the Fatent Gun-Cotton per faot.

1 cz. of the Fatent Gun-Cotton per faot.

4 concess of Gun-Cotton per faot.

As proved in mortars, similar to those need by the Sound of Ordensee, for the proof of gunpowder.

OFFICE—22, LOMBARE STREET, LONDON.

TO RAILWAY AND ELECTRIC TELEGRAPH COMPANIES.

TO RAILWAY AND ELECTRIC TELEGRAPH COMPANIES.

BY HIS MAJISHT'S BOYAL LETTERS PATERY.

REID'S PATENT PREPARED WIRE FOR ELECTRIC

TELEGRAPHS, WISE ROPE, AND FENCING.

TELEGRAPHS, WISE ROPE, AND FENCING.

That it may be had of any length.—2. That it is of uniform size, and, when annealed, is of one uniform degree of softness.—3. That it is prepared for being galvanisad by a process which leaves it wholly uninjured.

Hitherto it has been the practice, in cleaning wire to prepare it for the galvanting process, to immense it in sulphurie, or niferic, acid, by means of which the wire has been much injured in its structure, from the acid not acting equally on all parts alike. By the new process this evil is omitted; obvisted, and the zinc coating is found to be more perfect.

For further particulars apply to the patentice, at 25, University-street, London, where specimens may be seen, and all orders will receive immediate attention.

CONTRACTS entered into and executed with promptime.

CONTRACTS enbered into and executed with promptitude.

IGHLY IMPORTANT INVENTION IN RAILWAY
CONSTRUCTION—An important invention, connected with the formation of the
PERMANENT WAY OF RAILWAY LIKES (which has been proved on one of the
principal lines in Lancashire), is, for the satisfaction of the Patentee, and for confirmation of its adaptation for the purposes proposed, undergoing the neverest test as to form
of construction, and trial of strength for durability, which, when completed, a report will
be published of the result of the test, by a scientific gentleman of eminence,
The invention will effect—

1. A very considerable saving in the Journation of the permanent way, by entirely
superseding the use of wood sleepers, loose chairs, treenalls, and spikes.

2. The laying of the fine can be accoraplished at a very diminished amount of labour
and cost, in comparison with the mode at present adopted.

3. The Juture maintenance of the permanent way may be reduced fully one-half of
the present cost.

and cost, in comparison with the mode at present adopted.

3. The future maintenance of the permanent way may be reduced fully one-half of the present cost.

3. The future maintenance of the permanent way may be reduced fully one-half of the present cost.

4. Scientific report will be furnished in a few days, and the Patentee has considered it desirable to adopt this expedient to intimate to railway beards somewhat of the advantages of the invention, that railway companies about to contract for sleepers, chairs, &c. may defer such arrangements for a short period.

All communications to be addressed to Mr. Joseph Adahead, 35, George-street, Manchester.—Manchester, June 1, 1847.

FLEXIBLE HOSE-PIPES FOR LOCOMOTIVE ENGINES, RAILWAY CRANES, FIRE-ENGINES, GAS, &c.

PATENT VULCANISED INDIA-RUBBER HOSE-PIPES AND TUBING OF EVERY DESCRIPTION.

These pipes are made to stand hot-water without injury—are very superior to leather pipes, or the common India-rubber pipes; and, as they do not become hard or stiff in the lowest temperatures, or require any application when out of use, are particularly well adapted for fire-engines.

FLEXIBLE TUBING, of every description, for gas, chemical purposes, &c.

VULCANISED INDIA-RUBBER WASHERS, all sizes, for steam and hot-water joints, &c.—Sole manufacturer,

Goswell Mews, Goswell-road, London.

LECTRO GALVANISM—PUBLIC NOTICE.—WHEREAS, amongst a variety of important improvements in the application of electricity to TELEGRAPHS, and other useful purposes, for which we have obtained lier Majesty's Royal Lecties Patent, is a certain HYDRAULIC BATTERY, as constructed as to maintain a perpetual ingress of pure exciting liquid, while that which has become vitisted is subject to immediate egression—and, whereas, his Honour is by tice-Chancellor of England has granted an injunction restraining the ELECTRIC TELEGRAPH COMPANY and CHARLES MASSI from the use of a battery formed on a similar principle, in Joy laiton of our Patent right duly established—
THIS IS TO GIVE NOTICE, that all parties whomseover, whether private individuals or public bodies, who shall make or use. FOR ANY PURPOSE WHATSOEVER, a battery, or other apparatus, regulated on the like principle, without our express license and consent, will be immediately proceeded against for such infringement. We avail our-solves of this opportunity of discianing all connexion with any printing telegraph.

140, Holborn Bars, May 24, 1847.

MED OR TAN TO ENCLEMEEDS MANULE ACCULATION.

MPORTANT TO ENGINEERS, MANUFACTURERS, RAILWAY AND STEAM-BOAT COMPANIES.

Messers. W. & C. MATHER beg to call the attention of the ABOVE PARTIES to their IMPROVED PATENT ELASTIC METALLIC PISTONS.

10 PRINCIPAL FEATURE and ADVANTAGE of THIS IMPROVEMENT La

1. Its great ELASTICITY and SELF-ADJUSTING PROPERTIES, which enable it to yield to any inaccuracy of the cylinder, whether oval or taper, and to more with the least possible friction.

2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two pieces of metal, having the vertical and lateral pressure in due and proper proportion, independent of each other.

having the vertical and lateral pressure in due and proper proportion, independent of each other.

3. It takes the LEAST possible SPACE, and is well adapted for air and water-pumps, as it allows of a larger water way.

Measra, W. & C. MATHER teel confident that it is the BEST ELASTIC METALLIC PACKING yet known, for the above reasons.

Models may be seen at the Balford Tron-Works, Manchester; at W. Barker's, engineer, Newton-Moor; and also at J. Mather's, engineer, Beaufort-street, Chelsea, London.

Mewfon-Moor; and also at J. Mather's, engineer, Beaufort-street, Cholesa, London.

IMPORTANT TO RAILWAY AND STEAM NAVIGATION COMPANIES, MANUFACTURERS, AND ENGINEERS.

W. BROTHERTON AND CO.'S

PATENT LUBRICATING FLUID for Animal Oil) FOR ALL DESCRIPTIONS

W. B. & CO. have the pleasure to state, that the above article is extensively used in her Majesty's Steam Navy, and by several of the principal Steam Navigation and Railway Companies, and is pronouseed by them, and by the first practical engineers of the day, to be far botter adapted for the purposes of labrication than any other article interest used for such purposes. The Patent Lubricating Fluid is equally applicable for the most intricate and fane pieces of machinery, as for the heaviest bearings of the steam-engine, it is cheaper, much more economical, and eleases than oils at present in use; is free from smell, and calculated to effect a vast saving in the expenditure of working steam powers. Further particulars can be had, and testimonials seen, by application to the manufacturers.

N.B.—The above article will burn in lamps, and give a light equal to the best sparm oil

DATENT GUTTA PERCHA DRIVING BANDS.—The GUTTA PERCHA DRIVING BANDS.—The GUTTA PERCHA COMPANY beg to acknowledge the extensive patronage they have already received for their PATENT BANDS, and inform their numerous friends that having completed the erection of their new machinery, they are now propaged to execute orders without delay. THE PATENT GUTTA PERCHA BANDS are now well known to possess superior advantages—vis., great durability and strongth, permanent contractility, and uniformity of substance and thickness, by which all the lirgoid inity of motion occasioned by piecing in leather straps is avoided.

They are not affected by fixed odla, gresse, acids, alkalies, or water. The moder of the company of the contractility of the contractility and all order in the contractility of the contractility of the contractility. All order forwarded to the company's works, Wharf-road, City-road, will receive immediate at tention.—London, May 17.

ALG

TO ENGINEERS, BOILER-MAKERS, AND OTHERS,— LAP-WELDED IRON TUBES, FOR STEAM-BOILERS. W. H. RICHARDSON, Jun., & CO., DARLASTON,

STAFFORDSHIRE,

MANUFACTURE AND DESCRIPTIONS OF WELDED WROUGHT-IRON TUBES, for

any required leng-recent invention (paten and diameter, on the new and unequalled patented August, 1846).—Address as above. e's rec

FFICE FOR PATENTS, 7, STAPLE INN, HOLBORN.

J. MURDOCH (successor and late assistant to Mr. Hebert)

Informs INVENTORS and PATENTES, that, at his OFFICE, they can obtain

REFERENCE TO A CLASSIFIED LIST OF PATENTS,

(THE ONLY ONE EXTANY), which shows at one view all the Patents ever granted for any
particular object, whereby they may save much trouble and expense, and present information not otherwise obtainable. BRITISH and FOREIGN PATENTS OBTAINED,
and USEFUL and ORNAMENTAL DESIGNER REGISTERED.

SPECIFICATIONS carefully prepared, and REPORTS of ENROLLED SPECIFICATIONS farnished on moderate terms.

FINISHED and WORKING DRAWINGS exsented with accuracy and dispatch.

EMONNIER, HAIR-WOKKER to the Queen and Member of the Academie de l'Industrie, and who obtained a Silver and Flatina Medal at the Exhibition, has just INVENTED several NEW DESIGNS, as Palm Trees, Wreaths, Knots, and Cyphere which be executed with hair in its natural state, without using gum of a variety of Trees executed by a mechanical process.

No. 18, RUE DU COQ SAINT HONORE, PARIS.

London:—Printed and Published, weekly, by Haray Everies, at the Office, No. 26, FLEET, STREET, in the city of London, where all Communications and Advertisements are requested to be forwarded—addressed to "the Editor"—post-paid.

June 12, 1847.

** It will at all times save much delay and inconvanience, if communications are directed simply . To the Epiton,

Mining Journal Office,

20, FLET-STREET, LORDON.

And Post-Orrice Orders, Sc., must be made payable to William Salmon Manuel,
as acting for the proprietors.